RCRA FACILITY INVESTIGATION REPORT

ORTHO-CLINICAL DIAGNOSTICS RARITAN, NEW JERSEY

Volume 4 of 6 Appendices P - W

Prepared for:

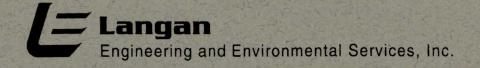
Ortho-Clinical Diagnostics, Inc. 1001 US Route 202 Raritan, New Jersey 08869-0606

Prepared by:

Langan Engineering and Environmental Services, Inc. 500 Hyde Park Doylestown, Pennsylvania 18901-6619

> 2 May, 2001 3568402







APPENDIX P

Borehole Geophysical Logging Results for MW-1, MW-3, and MW-4



276 PA Route 366-Mamont Apollo, Pennyslvania 15613 Telephone (412) 327-8119 (800) 653-8119

BOREHOLE VIDEO RECORD

CAMERA CONFIGURATION

View: Axial Lights: Strut

Compass: Attached

Client: Mclaren/Hart Site: ODC RAIRTON

Hole#: MW-1

Date: July 27, 1998

DEPTH in ft.

PRELIMINARY FIELD OBSERVATION

0.0	Top of steel casing.
21.9	Bottom of steel casing.
28.1	Possible healed Joint, East borehole
31-32.2	Possible Joint toe, with breakout, SW borehole.
33.2	Possible Fracture toe, strike East-West, near vertical, SE borehole.
34.1-34.7	Possible Joint intersection, NE dip, nose SW borehole, toe NE borehole
35.1-40.0	Possible Joint intersection, apparent partial void, 1) Joint striking North-
•	South, 2) striking East-West, moisture increases, water running down hole.
44.9-46.0	Possible healed Joint, high angle dip to NW, nose SE borehole, toe NW
	borehole.
47.7-48.9	Possible vertical Joint, strike East-West, apparent breakout.
50.5	Possible healed Joint, strikes North-South, West borehole.
50.7	Possible Fracture toe, South borehole.
57.7	Possible healed Joint, dip to West, NE borehole.
62.5	Water level.
70.1	Possible shadow, SE borehole.
74.0	Possible healed Fracture nose, West borehole, toe ESE borehole.
81.5	Possible Bedding Plane.
82.0-82.7	Possible healed Bedding Plane
87.0	Possible rough Bedding plane, East borehole
88.1	Possible Joint intersection, 1) Strikes NNW-SSE, 2) Strikes NE-SW,
	NE borehole, possible breakout.
96.4	Bottom of hole, end video logging.



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BOREHOLE VIDEO RECORD

CAMERA CONFIGURATION

View: Axial Lights: Strut

Compass: Attached

Client: Mclaren/Hart Site: ODC RAIRTON

Hole#: MW-3R Date: July 27, 1998

DEPTH in ft. -

PRELIMINARY FIELD OBSERVATION

0.0	Top of steel casing.
7.0	Possible casing joint.
28.2	Bottom of steel casing, borehole wall becomes damp.
39.5-40.3	Possible Fracture, SW borehole, increase in moisture.
49.5-50.3	Possible partial healed.
56.0	Possible water level
64.0	Possible Bedding Plane.
70.0	Possible Bedding Plane
76.0	Possible Bedding Plane.
85.0	Possible Joint Plane.
88.0	Possible Bedding Plane.
92.0	Possible Joint.
99.0	Possible Joint.
109.0	Possible Joint
110.0	Possible Bedding Plane
117.0	End video logging.
118.0	Bottom of hole.



276 PA Route 366-Mamont Apollo, Pennysivania 15613 Telephone (412) 327-8119 (800) 653-8119

BOREHOLE VIDEO RECORD

CAMERA CONFIGURATION

View: Axial Lights: Onboard Compass: Attached

Hole#: MW-4R Date: July 28, 1998

Client: Mclaren/Hart

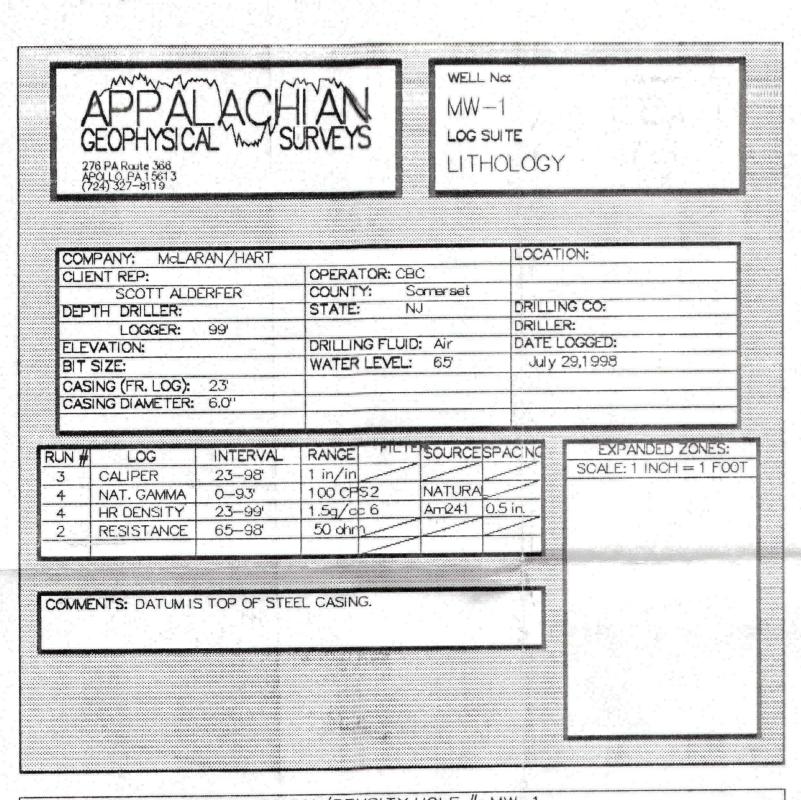
Site: ODC RAIRTON

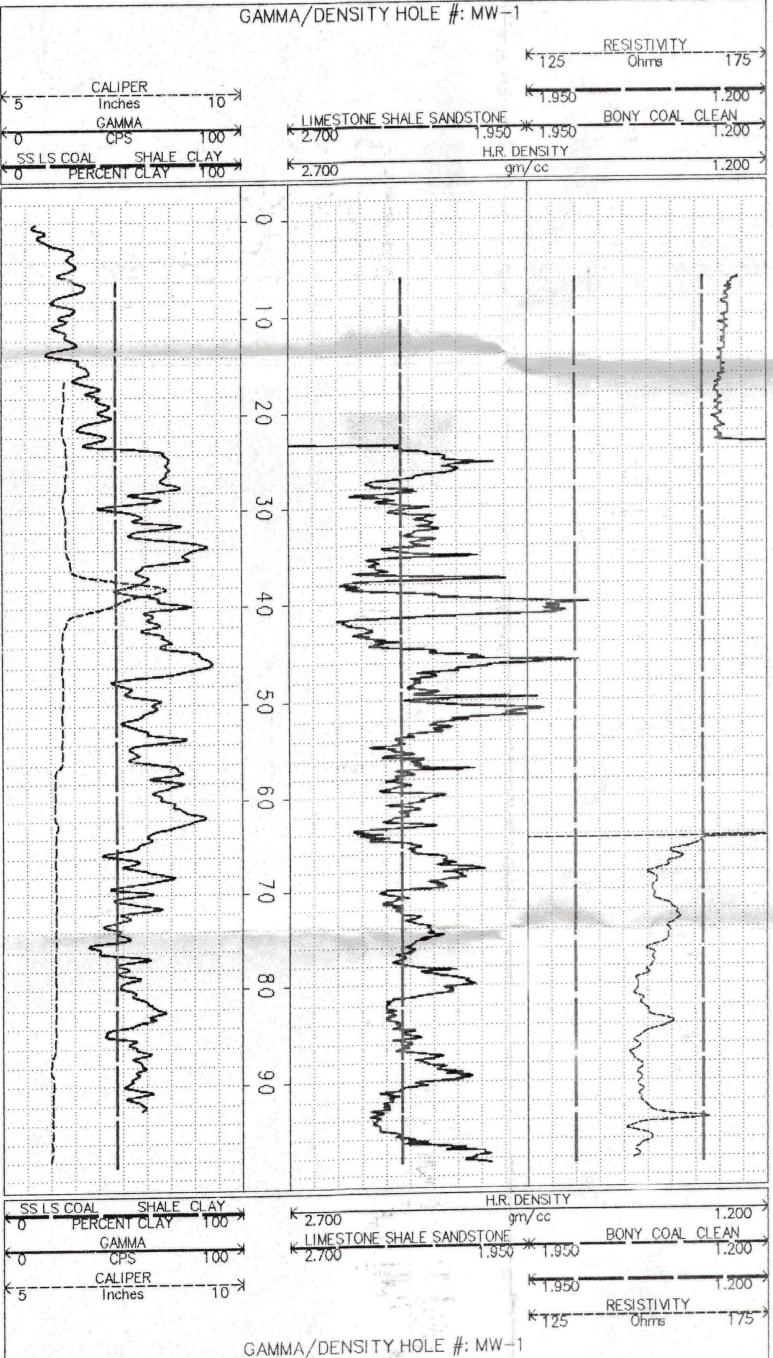
DEPTH in ft. _

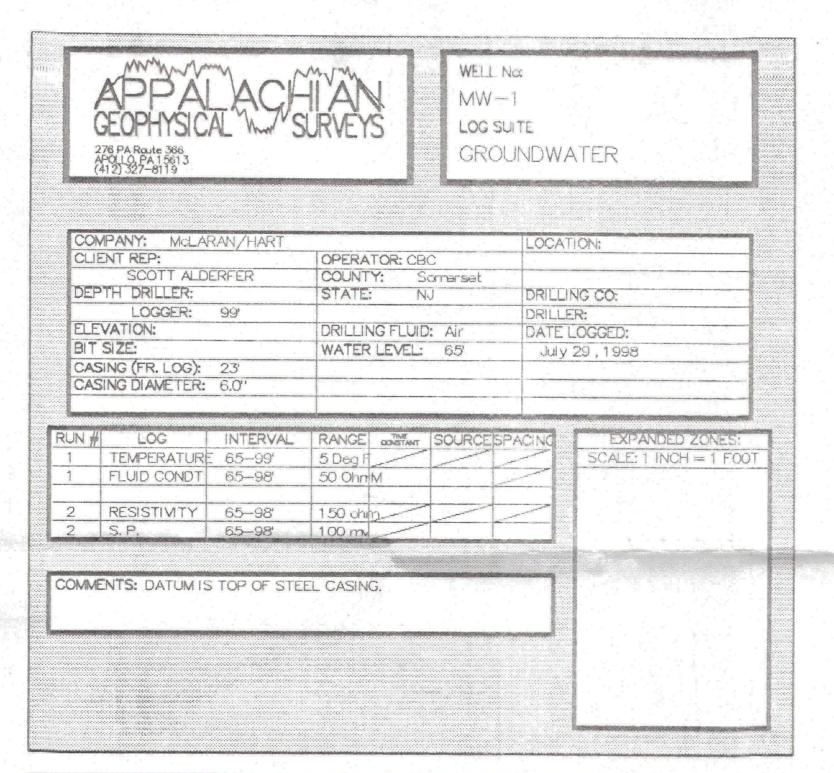
PRELIMINARY FIELD OBSERVATION

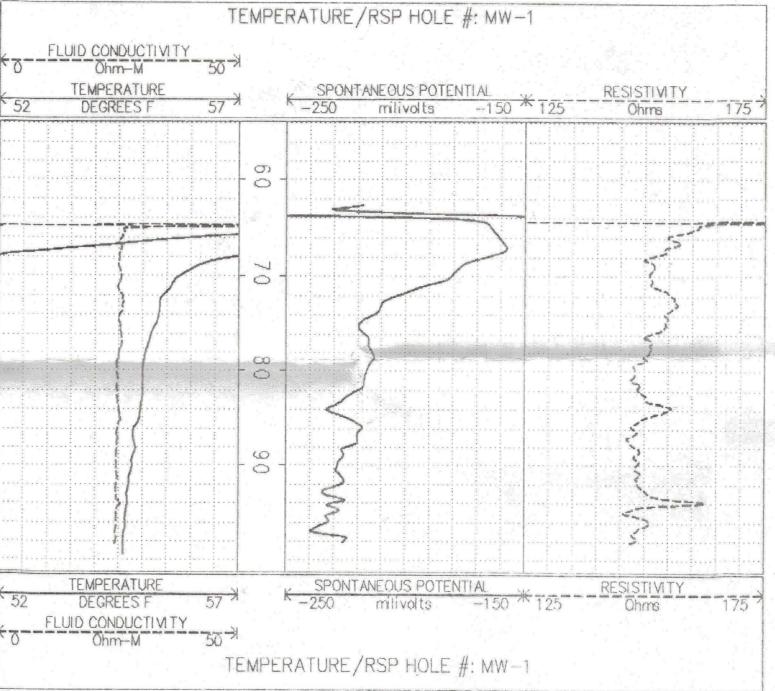
Note: Video run with black and white camera.

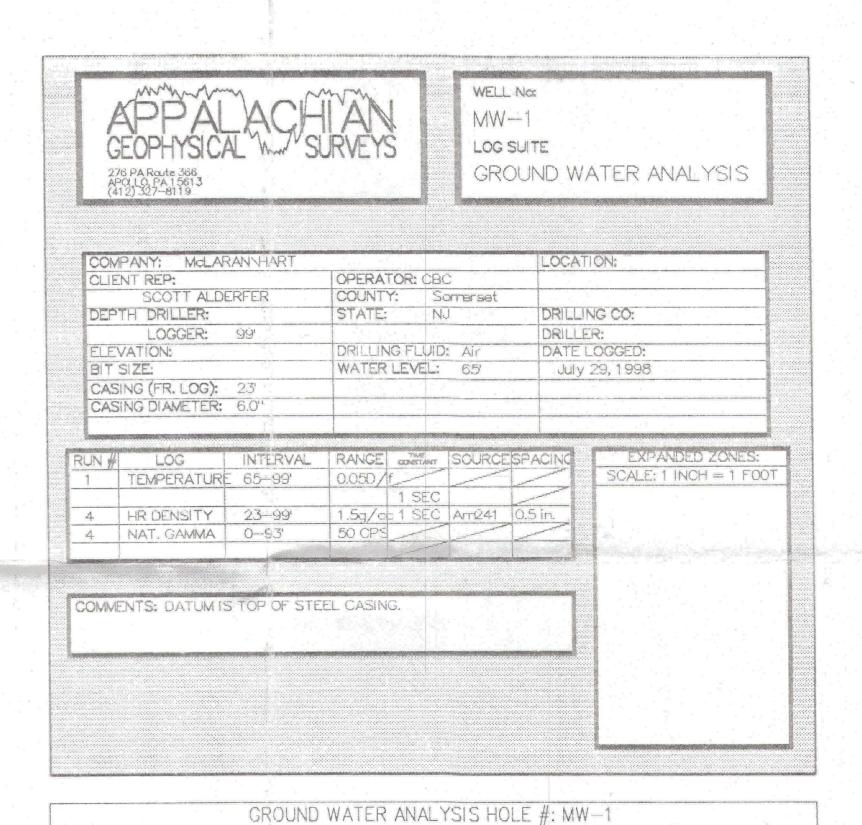
Top of steel casing.
Possible bottom of steel casing.
Possible roughness.
Possible roughness.
Possible Fracture intersection, with breakout
Possible Fracture
Possible Joint.
Possible water level.
Possible shadow.
Possible dipping Joint plane.
Water becomes cloudy
Possible healed Fracture.
Bottom of hole, end video logging.

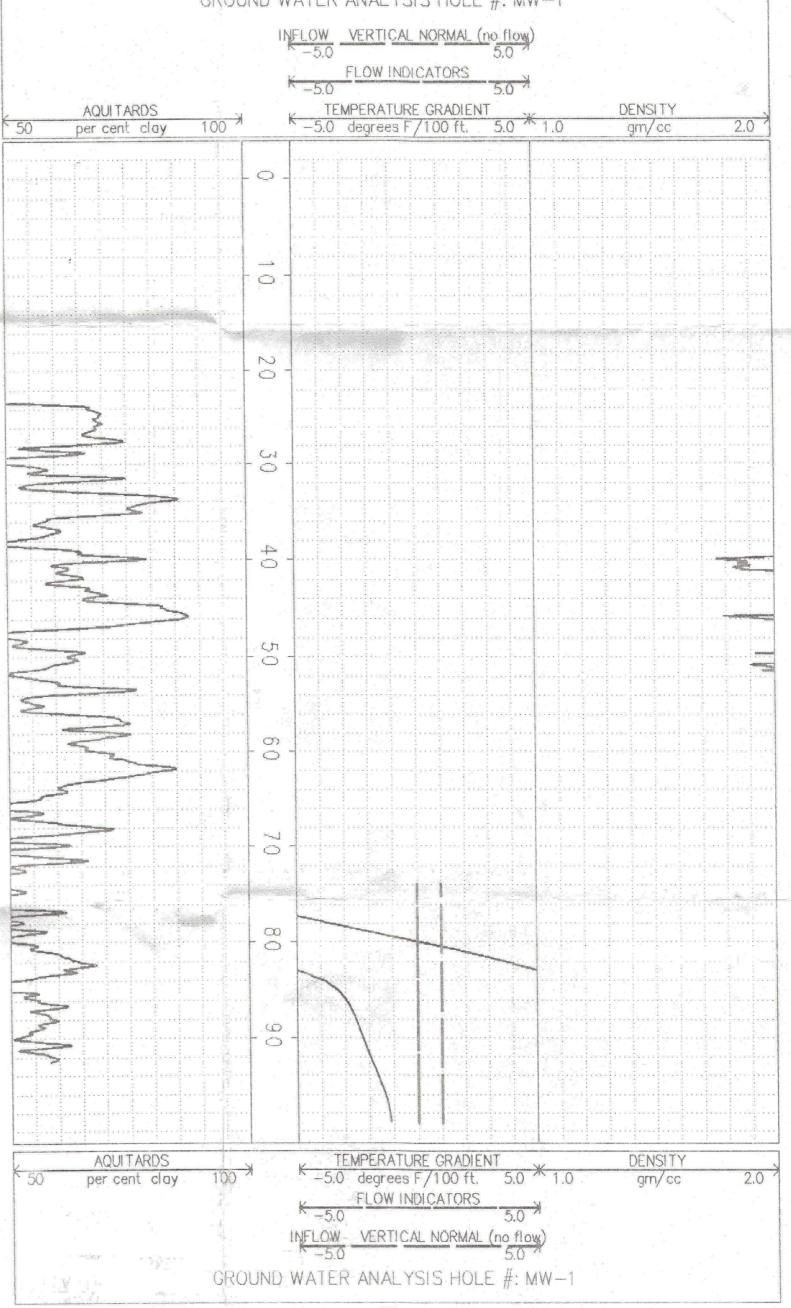


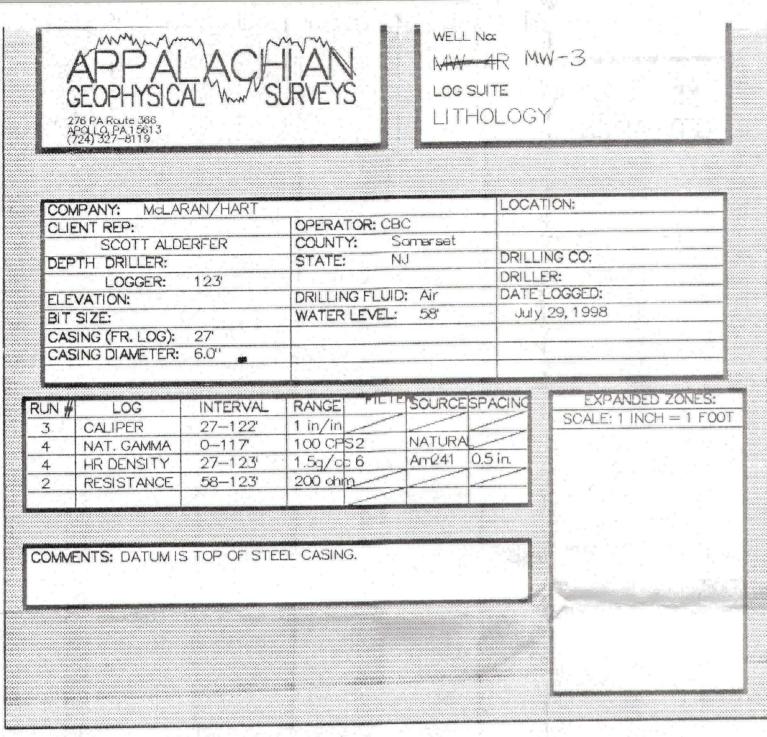


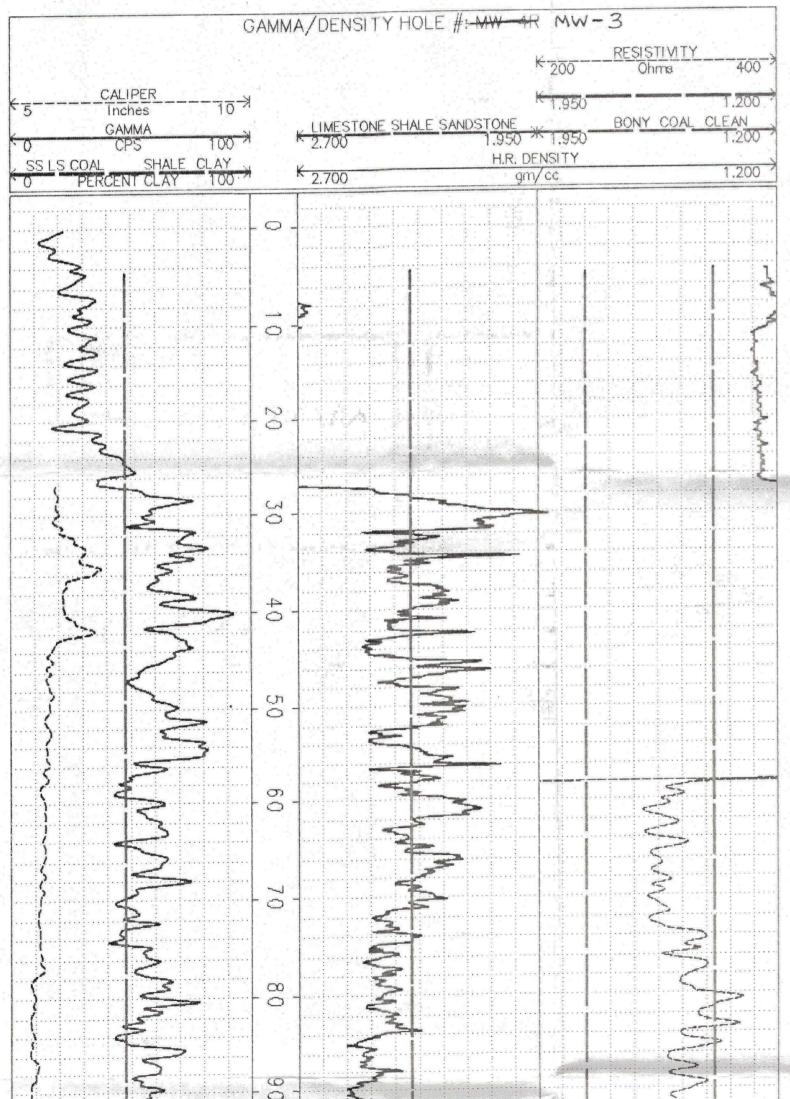




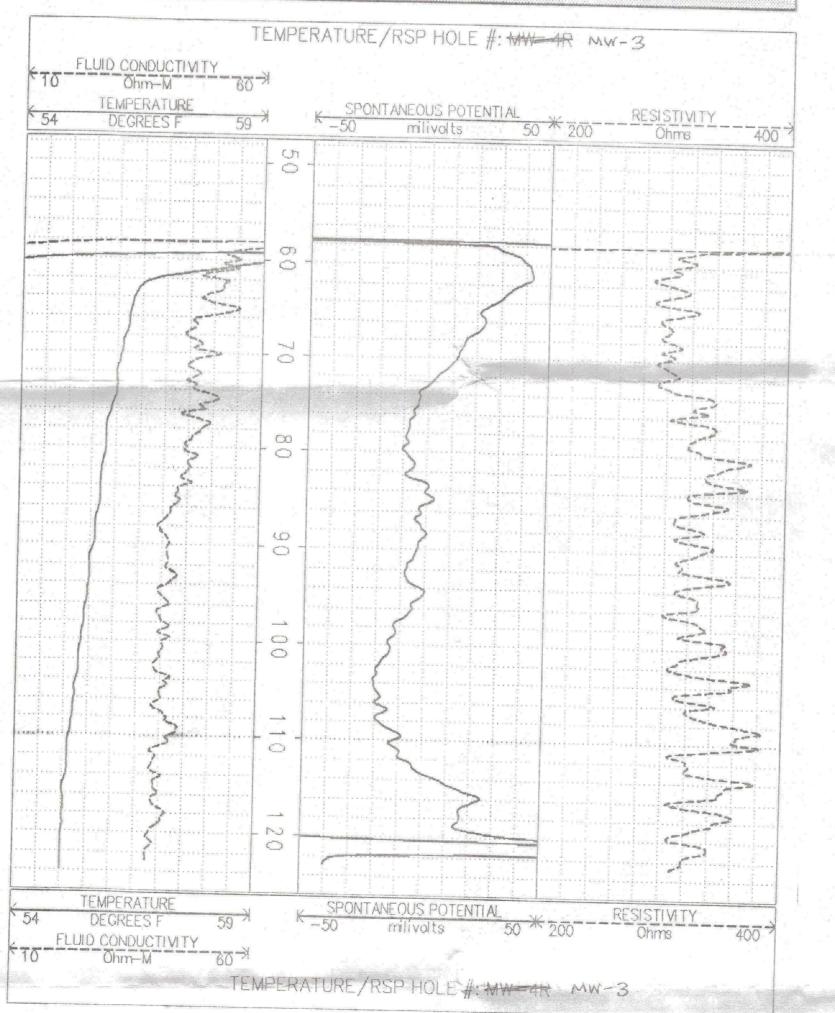


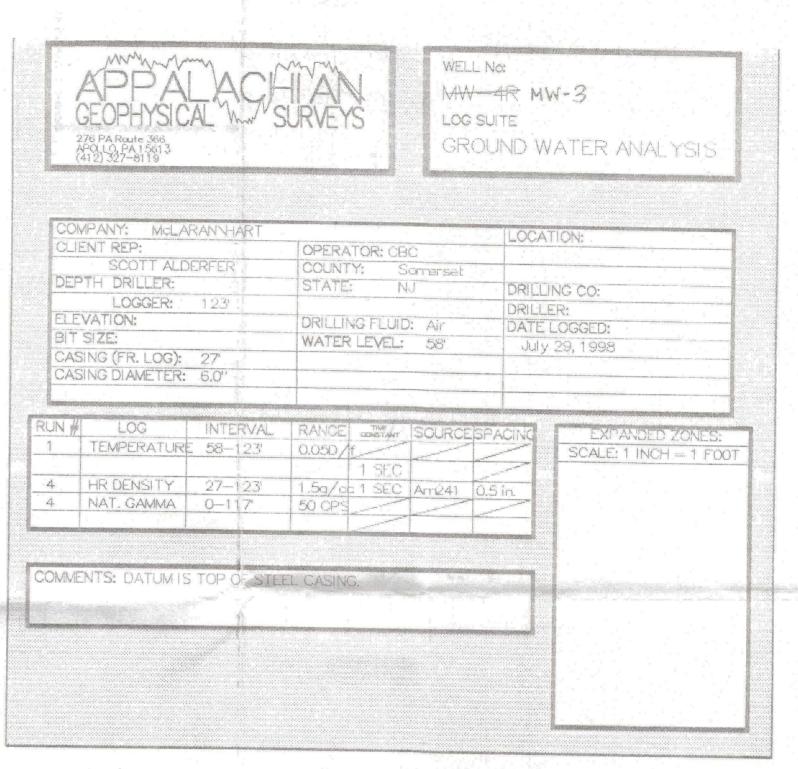


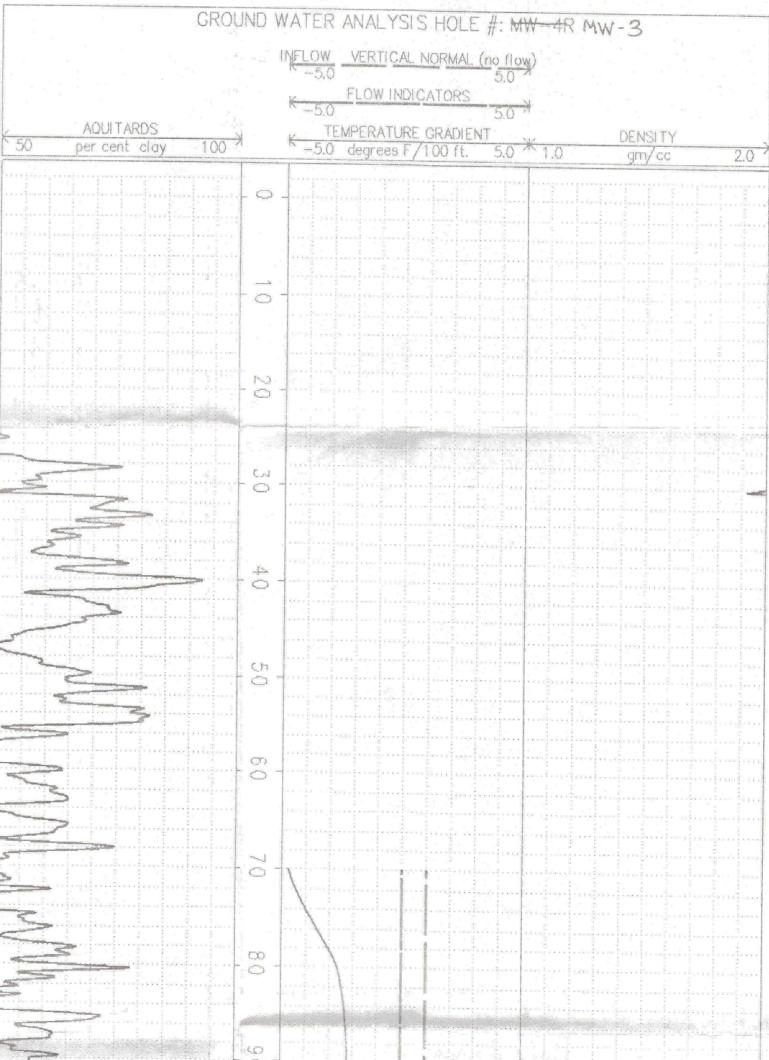


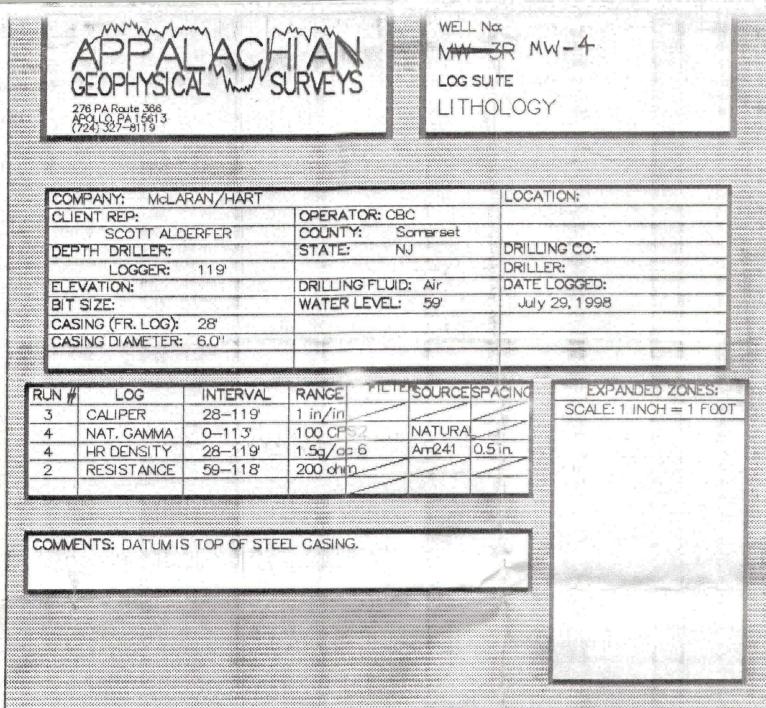


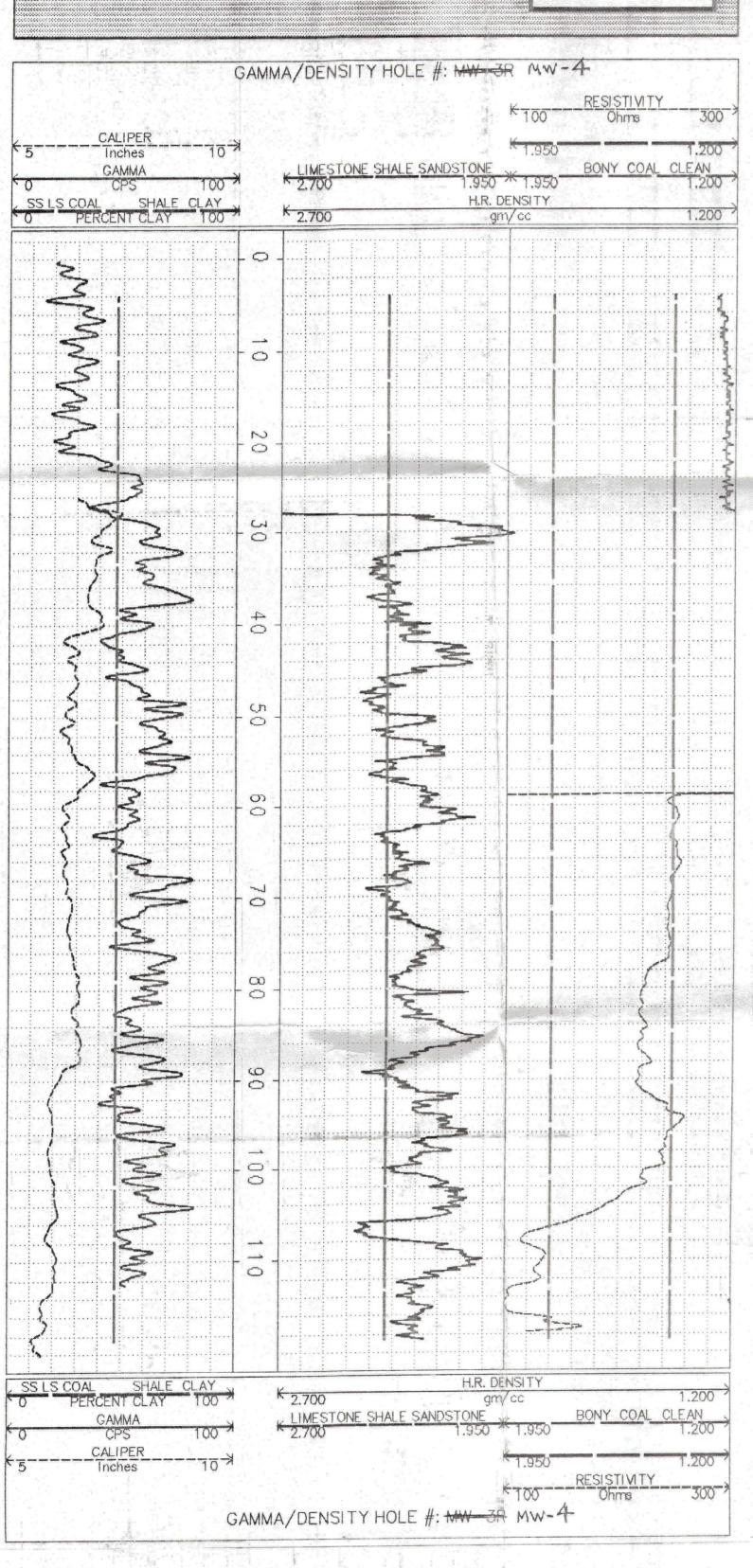
	276 PA Route 366 APOLLO, PA 15613 (412) 327-6119							
CO	MPANY: McLAI ENT REP:	RAN/HART	OPERATOR: 0	200	LOCA	TION:		
SCOTT ALDERFER DEPTH DRILLER: LOGGER: 123' ELEVATION: BIT SIZE: CASING (FR. LOG): 27' CASING DIAMETER: 6.0"			COUNTY: STATE: DRILLING FLU WATER LEVE		DRILLE	DRILLING CO: DRILLER: DATE LOGGED: July 29, 1998		
N#	LOG TEMPERATURE FLUID CONDT	INTERVAL 58-123' 58-122'	RANGE STAN	sourcesp,	ACINC	EXPANDED ZONES: SCALE: 1 INCH = 1 FOOT		
Mary poly	RESISTIMTY S. P.	58-122' 58-122'	200 ohm					
VIME	NTS: DATUMIS	TOP OF STEE	EL CASING.					







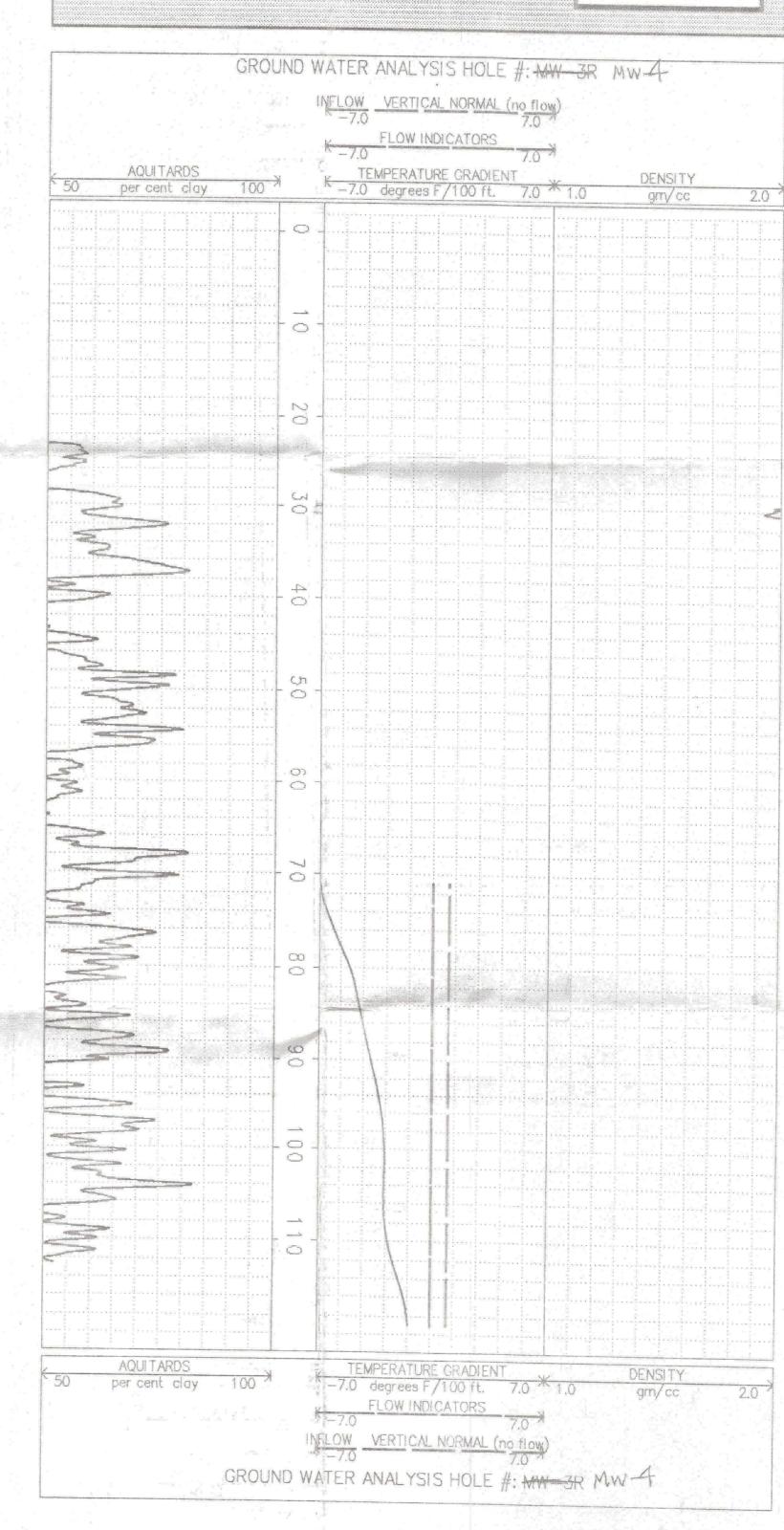




	RAN/HART					LOCAT	ON:			
LIENT REP:			TOR: CE	and the same of th						
	EKFER	STATE: NJ DRILLI DRILLE					ER:			
LOGGER:	119'									
			-			PROPERTY TOWNS TO SERVICE STREET	DECIMAL CONTRACTOR CON			
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ASING DIAMETER:	6.0"		*******************							
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FLUID CONDT	59-118	men francisco de la companya della companya de la companya della c	Agentina and the same of the same				SCALL, I INCH = II	WU I		
DESIGNATY	EO 110	000								
5. P.	59-118	500 mv	follow-		-					
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	LOGGER: LEVATION: IT SIZE: ASING (FR. LOG): ASING DIAMETER: LOG TEMPERATURE FLUID CONDT	LOGGER: 119' LEVATION: IT SIZE: ASING (FR. LOG): 28' ASING DIAMETER: 6.0' LOG INTERVAL TEMPERATURE 59–119' FLUID CONDT 59–118' RESISTIMITY 59–118'	LOGGER: 119' LEVATION: DRILLII IT SIZE: WATEF ASING (FR. LOG): 28' ASING DIAMETER: 6.0' # LOG INTERVAL RANGE TEMPERATURE 59-119' 5 Deg F FLUID CONDT 59-118' 50 Ohn RESISTIVITY 59-118' 200 oh	LOGGER: 119' LEVATION: DRILLING FLUID IT SIZE: WATER LEVEL: ASING (FR. LOG): 28' ASING DIAMETER: 6.0'' # LOG INTERVAL RANGE CARRAGE TEMPERATURE 59—119' 5 Deg F FLUID CONDT 59—118' 50 Ohnim RESISTIVITY 59—118' 200 ohnim	LOGGER: 119' LEVATION: DRILLING FLUID: Air IT SIZE: WATER LEVEL: 59' ASING (FR. LOG): 28' ASING DIAMETER: 6.0' # LOG INTERVAL RANGE AND SOURCE TEMPERATURE 59–119' 5 Deg F FLUID CONDT 59–118' 50 Ohm M RESISTIMITY 59–118' 200 ohm	LOGGER: 119' LEVATION: DRILLING FLUID: Air IT SIZE: WATER LEVEL: 59' ASING (FR. LOG): 28' ASING DIAMETER: 6.0' # LOG INTERVAL RANGE AND SOURCESPA TEMPERATURE 59-119' 5 Deg F FLUID CONDT 59-118' 50 Ohrim RESISTIVITY 59-118' 200 ohrin	LOGGER: 119' LEVATION: DRILLING FLUID: Air DATE L IT SIZE: WATER LEVEL: 59' July ASING (FR. LOG): 28' ASING DIAMETER: 6.0' ## LOG INTERVAL RANGE CONTACT SOURCESPACING TEMPERATURE 59–119' 5 Deg F FLUID CONDT 59–118' 50 Ohm RESISTIVITY 59–118' 200 ohm RESISTIVITY 59–118' 200 ohm	EPTH DRILLER: LOGGER: 119' DRILLING FLUID: Air DATE LOGGED: IT SIZE: WATER LEVEL: 59' July 29, 1998 ASING DIAMETER: 6.0'' LOG INTERVAL RANGE CONTAINS TEMPERATURE 59–119' FLUID CONDT 59–118' SCALE: 1 INCH = 1 F RESISTIVITY 59–118' 200 ohin		

TE	DEGREES F	62 ×	K SPONT	ANEOUS POT	ENTIAL -100	* 100	RESISTIV	TY300
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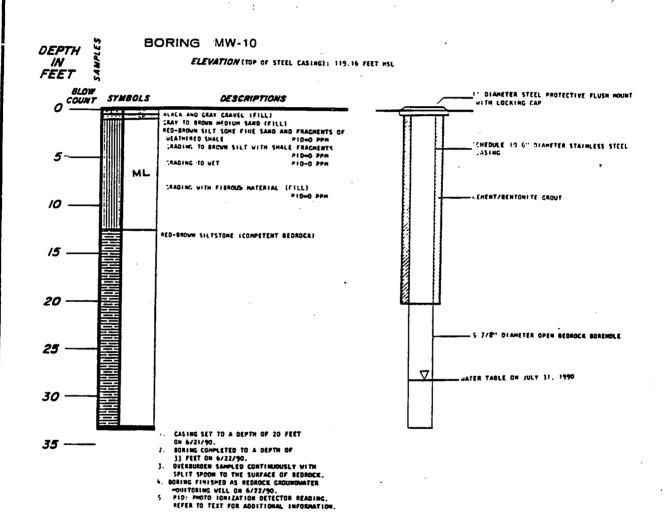
DE/ ELE BIT	MPANY: MoLAI ENT REP: SCOTT ALD PTH DRILLER: LOGGER: EVATION: SIZE: SING (FR. LOG):		COUNT		orrerset J		DRILLI	NG CO:
RUN #	LOG TEMPERATURE	6.0" INTERVAL 59-119' 28-119'	RANGE 0.050 /	THAT CEMETANT	SOURCE			EXPANDED ZONES SCALE: 1 INCH = 1 FO
4 4	HR DENSITY NAT. GAMMA	28-119 0-113	1.5g/c 50 CPS	1 SEC	Arr241	0.5	in.	



APPENDIX Q

Monitoring Well Logs

Well Logs are not available for the following wells: MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, MW-7, MW-8, MW-9, MW-18, MW-19, MW-29D, and MW-30D.



BORING MW-11 DEPTH ELEVATION (TOP OF STEEL CASING): 117.78 FEET HISL IN FEET I' DIAMETER STEEL PROTECTIVE FLUSH MOUNT -- I'M LOCKING CAP SYMBOLS DESCRIPTIONS PROWN SILT LITTLE FINE SAND. TRACE SHALE FRAGMENTS GRADING RED-BROWN, LITTLE CLAY CHEDULE TO 5" DIAMETER STAIMLESS STEEL GRADING TRACE CLAY
RED-BROWN HIGHLY WEATHERED SILTSTONE
PI RED-BROWN WEATHERED SHALE, DRY FEMENT/BENTONITE GROUT RED-BROWN SILTSTONE, DRY (COMPETENT BEDROCK) 10 15 . ∇ WATER TABLE ON JULY 31, 1990 20 25 GRADING TO MOIST "F=F4T/BENTONITE CROUT 30 GRADING INTERBEDOED WITH SHALE, DAY 40 55 60 GRADING NO SHALE, DRY 65 75 GRADING TO GRAY-BROWN SANSTONE, WET RED-BROWN SILTSTONE, MOIST 1. CASING SET TO A DEPTH OF 10.6 FEET ON 6/21/90.

2. BORING COMPLETED TO A DEPTH OF \$4 FEET ON 6/22/90.

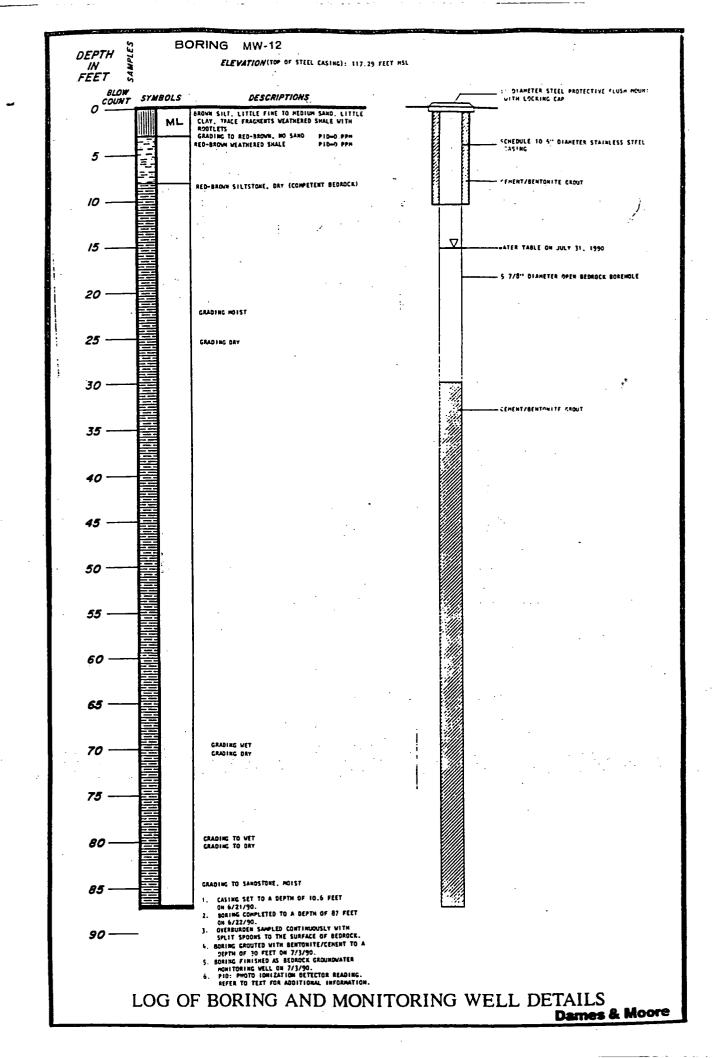
3. OVERBURDEN SAMPLED CONTINUOUSLY WITH SPLIT SPOOKS TO THE SURFACE OF BEDROCK.

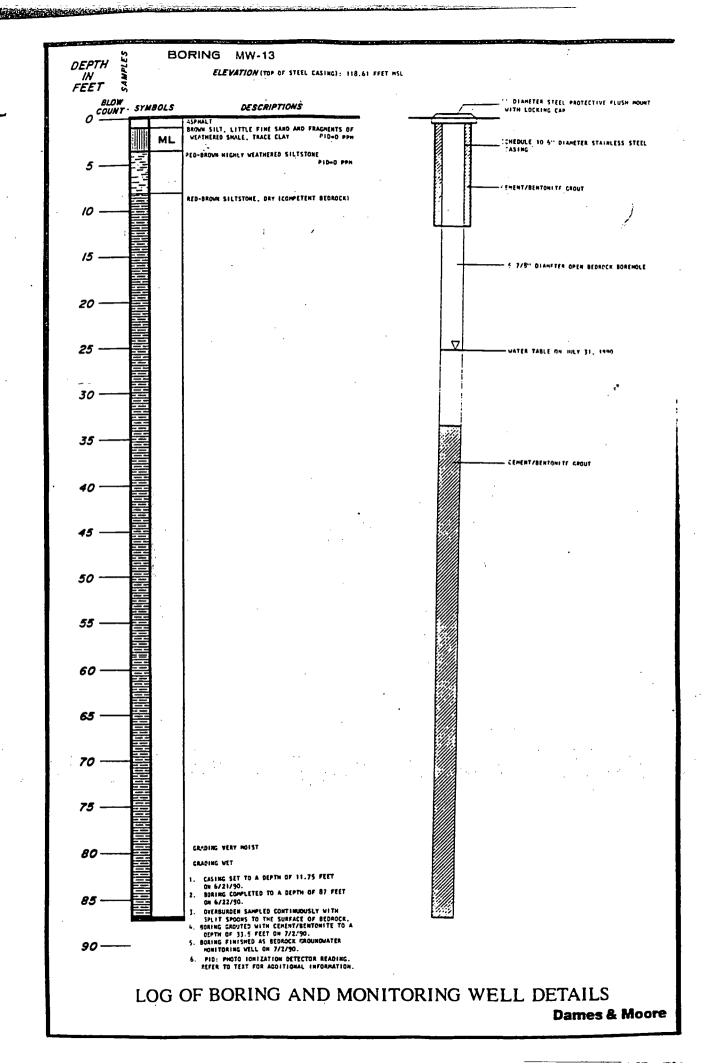
4. BORING CROUTED WITH BENTORITY-CERENT TO A DEPTH OF 27.2 FEET ON 7/3/90.

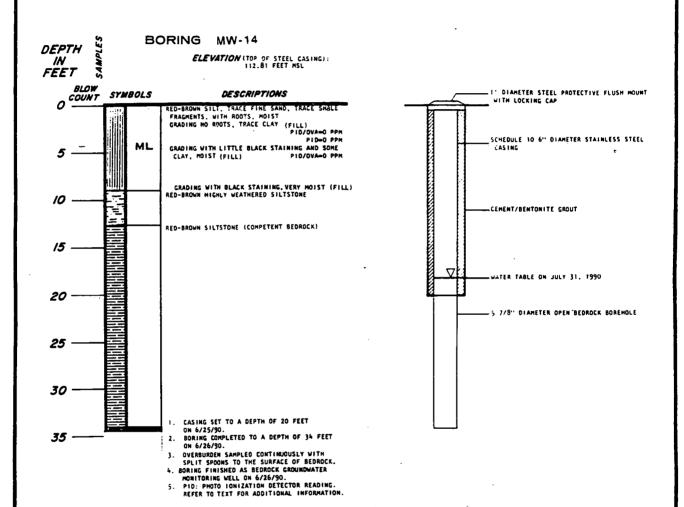
5. BORING FINISHED AS BEDROCK GROUNDWATER MONITORING VELL ON 7/3/90.

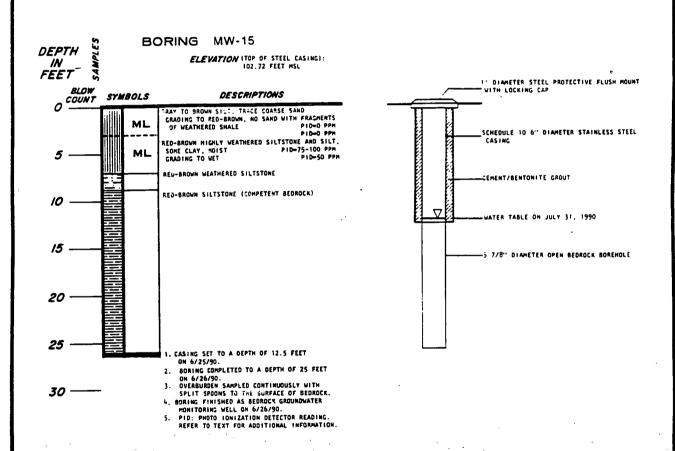
6. PID: PHOTO IONIZATION DETECTOR READING. REFER TO TEXT FOR ADDITIONAL INFORMATION. 85 LOG OF BORING AND MONITORING WELL DETAILS

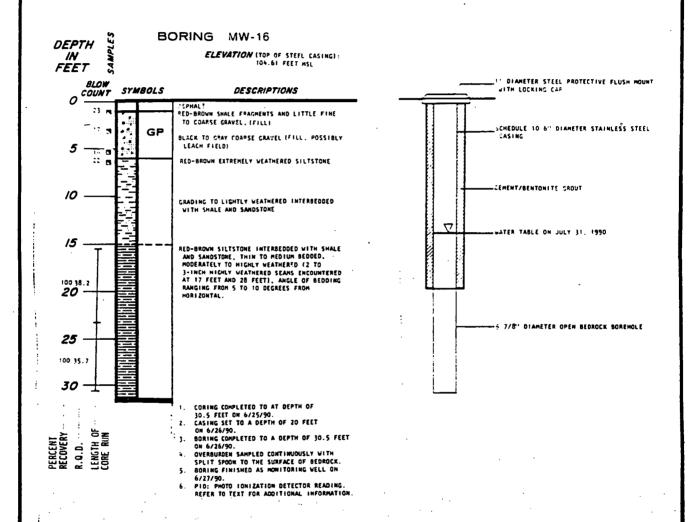
Dames & Moore

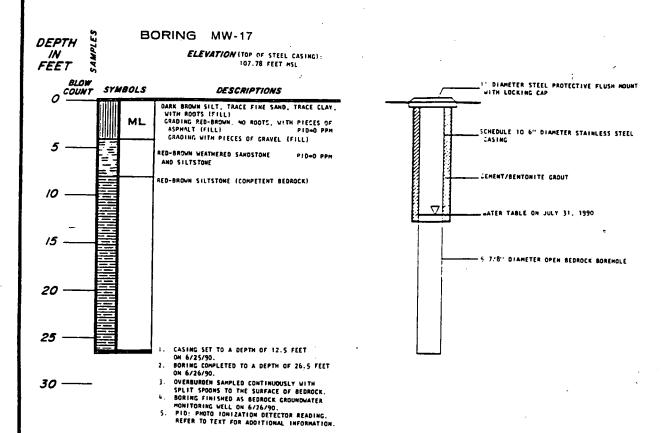


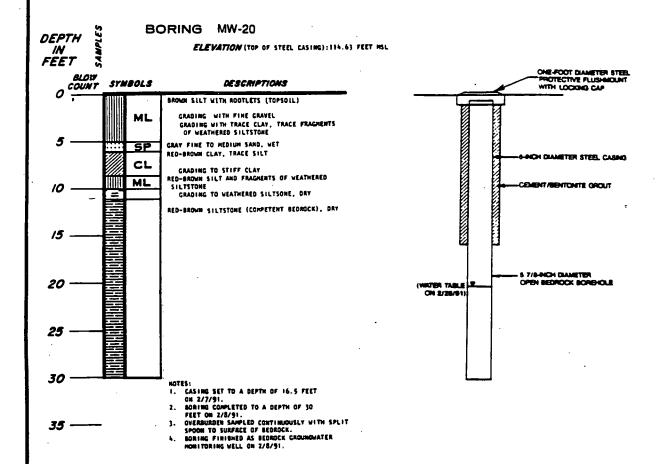


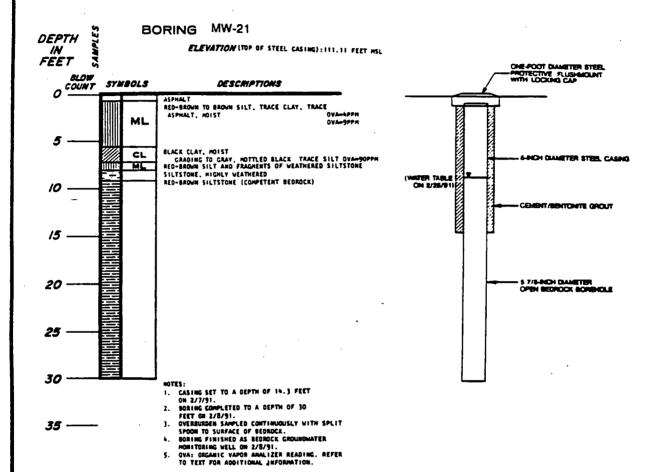


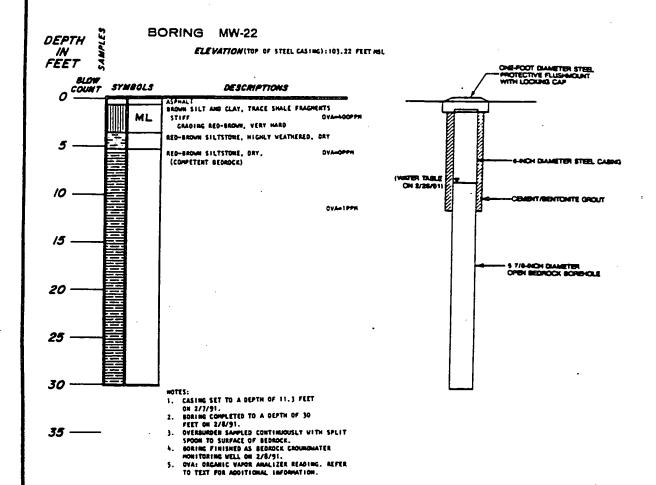


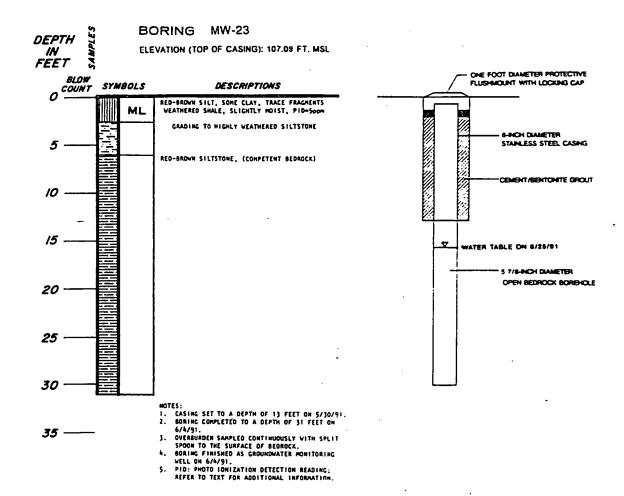


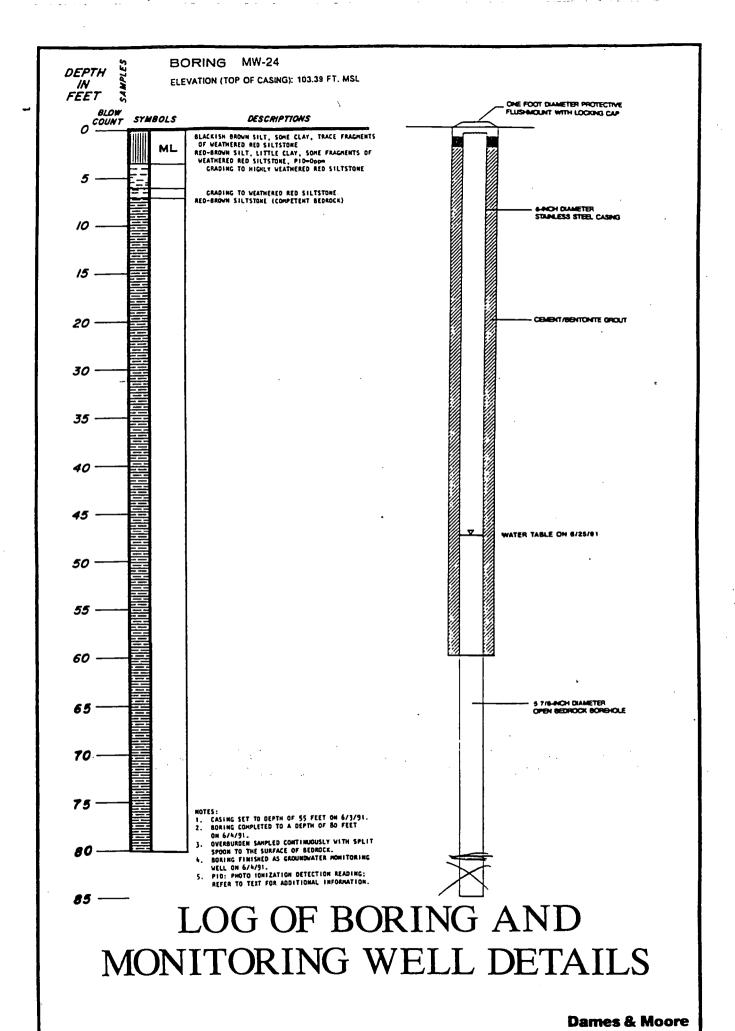


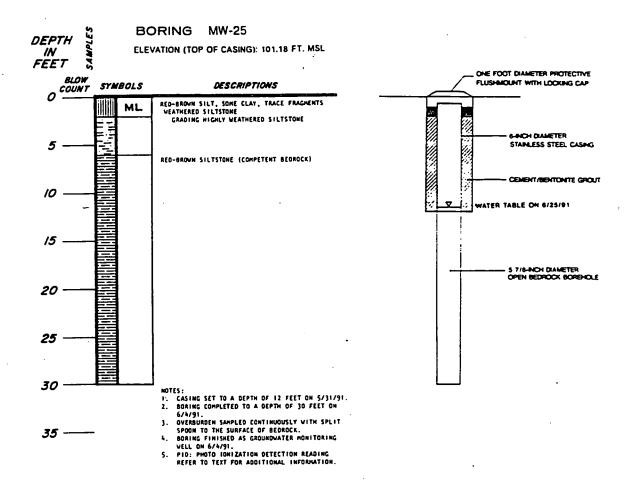


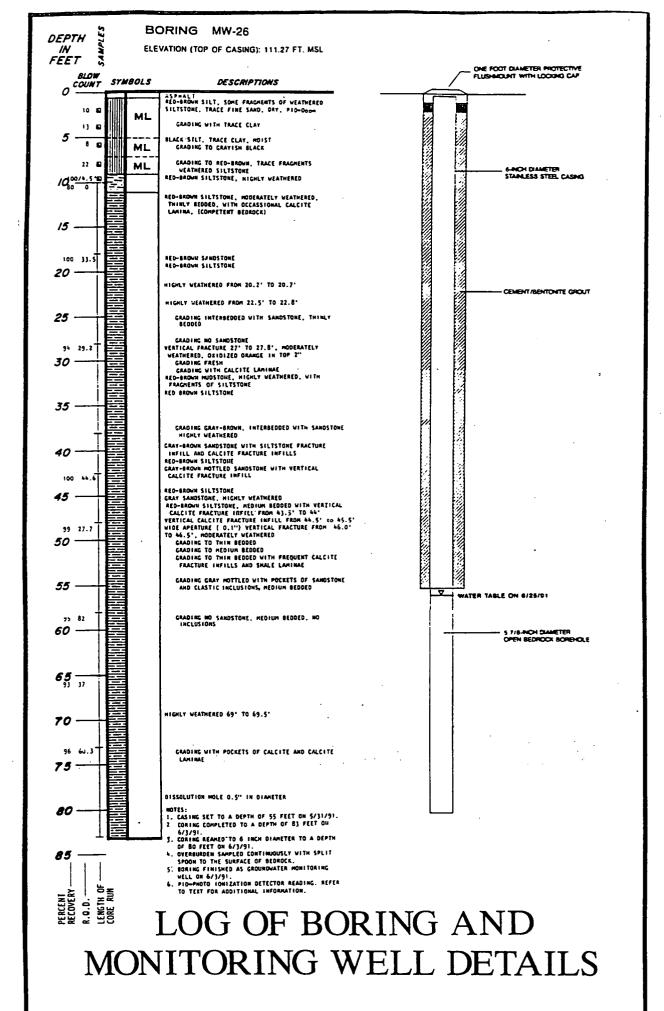




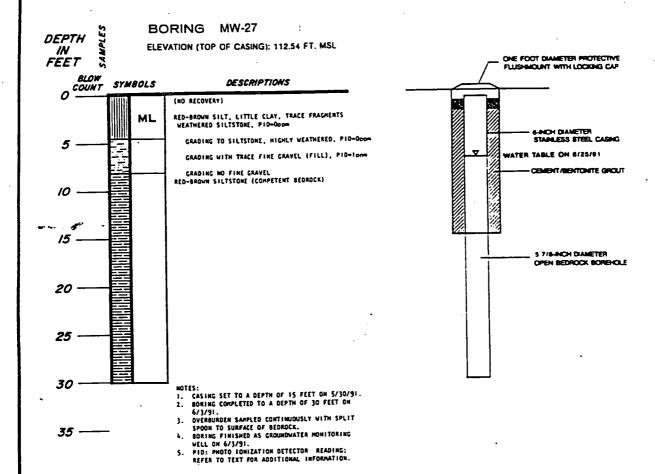


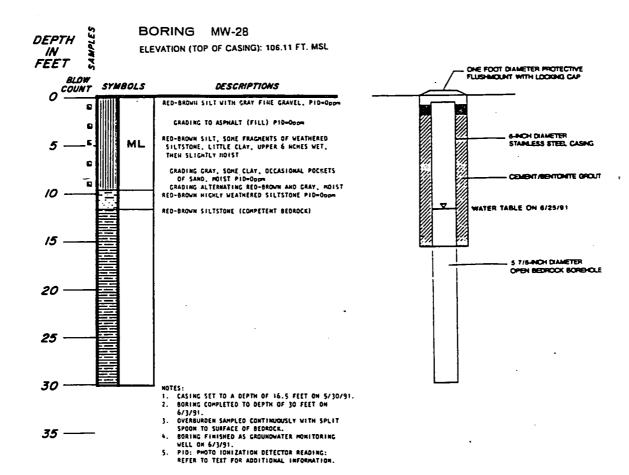


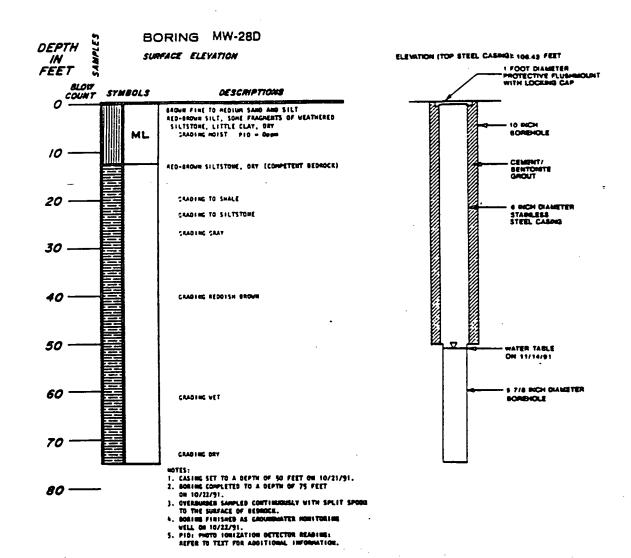


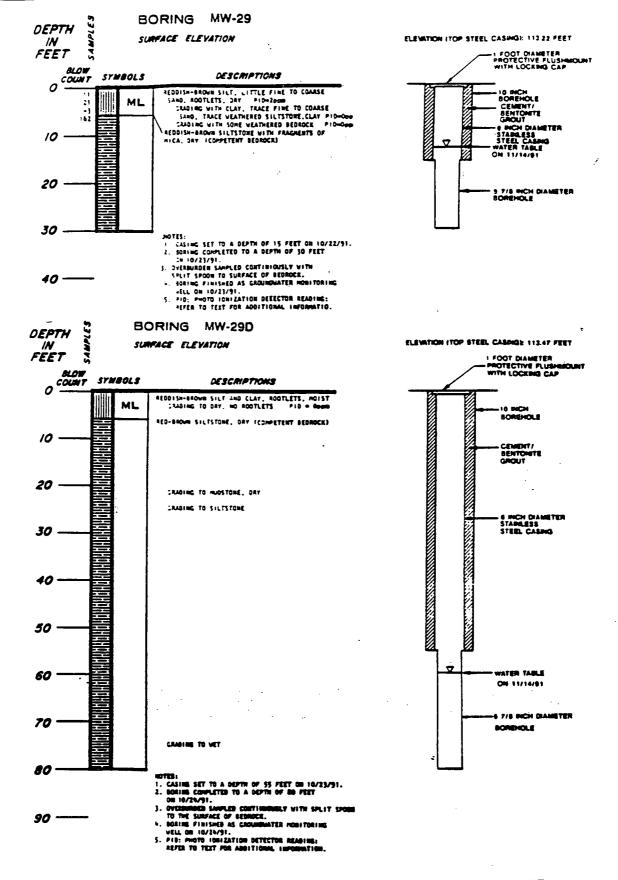


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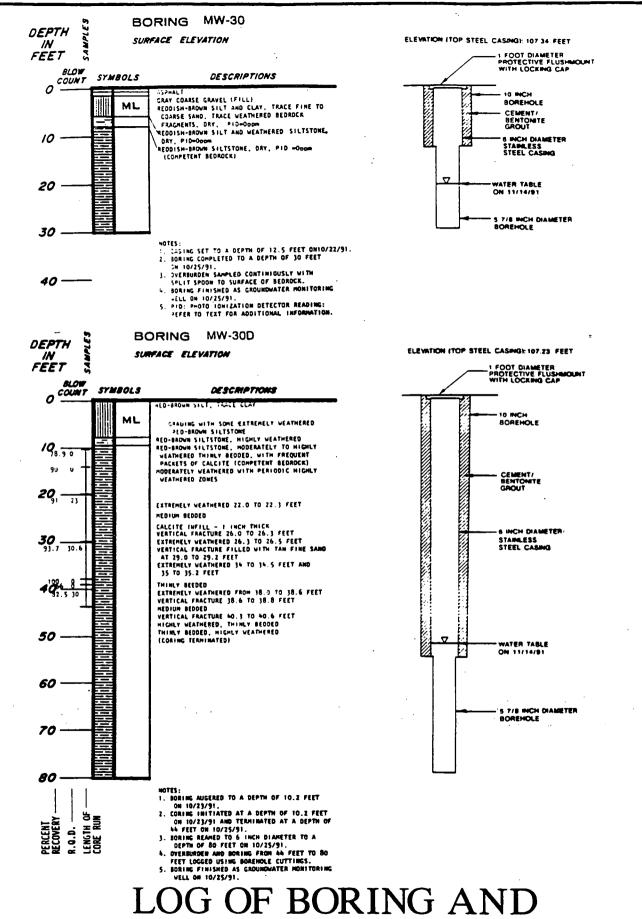




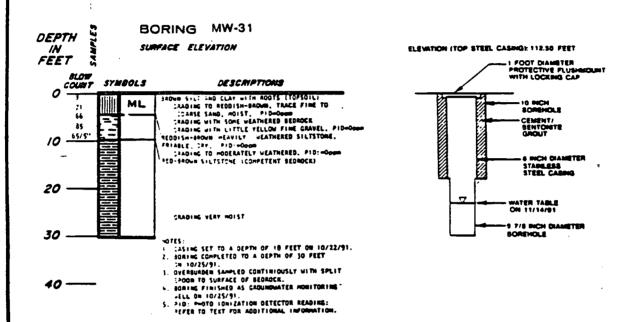




Dames & Moore



Dames & Moore



			MON	ITORING	WEI	LL LOG		Page 1 of 1	
	TO AA	clar	PROJECT NAME: Ortho-Clinical I	Diagnostics Too	PROJECT NO.		Well No:	MW-32	
MIN		-lan	PROJECT LOCATION	N:	12080212	1012.001	LOCATION SKETCH	<u> </u>	
OMPLETE	ON DATE:		1001 Route 202 TOTAL DEPTH OF BOREHOLD	2 North, Raritan, New B: IMONITORING DEVICE:		M/H Representative / OFFICE:	-{	,	N
Au	ugust 11, 19		25 Feet	OVM (PID)		S. Alderfer/Warren	_		
	CONTRACTOR / Steve You		DRILING EQUIPMI Mobile B-80 R		Air Rotary	ETHOD (BIT): (6" bit)			
AMPLING	METHOD:		DEPTH TO GROUNDWATER	GS/TIC ELEVATION:		PERMANENT WELL INSTALLED	7		
VELL PER	pled MIT NUMBER:		9.26 ft. from TIC	104.52 / 104.09 ab		Yes - 8/12/00	-		
25-	54673		Deput to groun	dwater was measured	m the well of	1 W12/99.		_	
DEPTH (feat)	(spm)	REC. (%)		SOIL/ROCK DE	ESCRIPTIO	ON		FIELD NOTES & PRING WELL DIAGRAM	
		N/A				nholt and Craval (A 2			
1	ļ	1			AS	phalt and Gravel (0-2	1		
2		ļ.,,,,					2'x2'x6" Concrete pad with 8" traffic		
3		N/A			R	ed-brown SILT (2-13	grade manhole		
					some Clay	y, tr medium Sand, moi	st	/	
_4							Cement/Bentonite grout (0-4')		
.5	_								
6	0	-							
								/[]]	
7		ł	1				2" dia. PVC Riser (0-5')		
8		1					(4.7)		
	T	N/A	i			1011417 4 40 0	_		
9	 	N/A	 	<u>W</u>	eathered	red SHALE, soft (8-9) DTW=9.26 (TIC)		
10		I WA	ł		Red SII	LTSTONE, soft (9'-17	l	计量计计	
_						, ,	6° Borehole	/	
_11	l		ļ			1	1 20.0		
12			1			•	ŀ		
- 13		İ					1		
 -	İ								
_14									
-,,							#1 Morie Sand		
_15			1				(4-25)		
_16	ŀ		•			:	\	\[]	
17		1						A	
_		N/A				Red SHALE (17'-20	n l		
_18						Neu SHALE (17°-20	7		
_19	-								
_ _20		1							
_	<u> </u>	N/A			notont : 1	SILTSTONE (20'-25	<u></u>		
_21				Com	bereut Led	1 SIL 1 SI ONE (40 -43	''l		
22			1				2" dia. 0.020" Slot		
							PVC Screen (5-25')	' 	
_	ĺ							r 📑 d	
_24	1	1	[
_ _25	<u> </u>		End of boring at 25	feet bgs	<u> </u>				
						 _			
_							ĺ		
_27							1.		
_ 28									

_29

					i Vi	ONITO	ORING WE	LL	LC	OG	·			
N		M	cia la	are re		ct Location:	Diagnostic Systems Raritan, New Jerse 120802121.006	: y					Ig No: V-33	
5/22/ Drilli Drilli T.D.	Finish Date: 96 - 5/22/96 ing Contracto ing Equipment Borehole: .0 feet	or/Dri Su nt: Mob	J. I ller: mmit ile B-	t -80	n/Warren	Drilling	Monitoring Device: OVM g Method: Method: Air Rotary p of Inner Casing, Top	Perm			N A A A A A A A A A A A A A A A A A A A			
Depth Below Surface (ft.)	Penetrati Results Blows 6"-6"-6"		Sample Interval/ Recovery	o Field PID/FID	Bo (Overburden	Color, Texture	m Soil Description e, Moisture, Etc.		Classification	Graphic Log	Well C	Vau	ffic Rai	
-												grout 2 inc		eler

Competent Brunswick SHALE

End of boring at 13 feet

ᇴ

-10

-12

#000 Morie

#0 Morie sand

2 inch diameter 0.010 slot PVC screen

-12

3.0

MONITORING WELL LOG

	227	PROJECT NAME:	1	PROJECT NO.:		Well No:	MW-34		
BEA A BEAT WATER	M	Ortho-Clinical Dia	gnostics, Inc.	120802121					
		PROJECT LOCATION:				LOCATION SKETCH		4	
NW ASTA LECT.			North, Raritan, New			l		/	N
COMPLETION DATE:	TOTAL D	EPTH OF BOREHOLE:	MONITORING DEVICE:		M/H Representative / OFFICE:				
August 14, 1998	30	Feet	OVM (PID)		D. Schnell/Warren	1			
DRILLING CONTRACTOR / DRILLER:		DRILLING EQUIPMENT	r.	DRILLING ME	тнор (вп):				
Summit / Steve Yotcoski		Mobile B-80 Rig		Air Rotary (1			
SAMPLING METHOD:	DEPTH	O GROUNDWATER	GS/TIC ELEVATION:		PERMANENT WELL INSTALLED?				
Not sampled	17.90	R. from TIC	111.29' / 111.05' abov	re MSL	Yes				
WELL PERMIT NUMBER:	MEMO:	Death to arounds	vater was measured in	the well on	8/13/98	Į.			
25-52837	l	Topin to Bromine	TRUCK THES INCUSATION IN			<u> </u>			

25-	52837		Depth to groundwater was measured in the well on 8/13/98.	<u></u>	l
DEPTH (feet)	(open)	REC. (%)	SOIL/ROCK DESCRIPTION	FIELD NOTES & MONITORING WELL DIAGRAM	_0
_1		N/A	Asphalt and Fill (0-2')	7x7x6" Concrete pad	1 1 2
_2 3		N/A	Red-brown silty CLAY (2-6') some f Sand, tr rock fragments.	with 8" traffic grade manhole	_ _3
_4 _5	0	1		Cement/Bentonits grout (0-13')	_4 _ _5
_6 _7		N/A	Red SILTSTONE (6-30')		_6 _7
_8 _ _9				2" dia. PVC Riser (0-15')	_8 _ _9
_10	0			6° Borrhole	_ _10 _ _11
_11 _ _12				Bentonite Slurry (13-13.5)	- _12
_13 14				#000 Morie Sand 0.	_13 _14
_ _15 _	0		Possible water entering borehole at 15'.	#2 Morie Sand (13.5- 30)	_15 _ _16
_16 _ _17	0		Possible water entering borehole at 16'.		-16 - -17
				DTW=17.90' (TIC) V	18 19
_19 _20	0				
_21 22				2" dia. 0.020" Slot	_21
				PVC Screen (15-30')	_23 _24
_25	0				_25
_26 _ _27	0		Possible water in borehole at 27'.		_26
_ _28 _			Soft from 27'-29'.		28
_29 _ _30	0		Hard at 29.5'. End of boring at 30 feet bgs		

				MON	HOKING	-	L LUG		Page 1 of 3		
27.71	MAM	car	en	PROJECT NAME: Ortho-Clinical Dia	connectics. Inc	PROJECT NO.: 12080212101	2 001	Well No:	MW-34D		
M		-tart		PROJECT LOCATION:				LOCATION SKETCH		A	
COMPLETI	ON DATE:		TOTALI	1001 Route 202 P SEPTH OF BOREHOLE:	North, Raritan, New MONITORING DEVICE:		M/H Representative / OFFICE:	1		,	N
A	ugust 12, 19	99 (DBW LED:		Feet DRILLING EQUIPMENT	OVM (PID)	DRILLING METH	D. Schnell/Warren	4			
Summit	/ Steve You			Mobile B-80 Rig		Air Rotary (10	and 6" bits)				
SAMPLING Not sam	METHOD:			ro groundwater fl. from TIC	GS / TIC ELEVATION: 111.56' / 111.17' abo		PERMANENT WELL INSTALLED? Yes	}			
WELL PER	MIT NUMBER:		MEMO:		vater was measured in		16/99.	1			ļ
25-	54674							<u> </u>			
DEPTH (feet)	OVM (spen)	REC. (%)			SOIL/ROCK DI		,		eld notes & No well diagram		
_ _1		N/A	Begir	a drilling with 10	O" roller bit (0-10') Asp	halt and Gravel (0-2'				
_2	İ	:						2'x2'x6" Concrete pad with 8" traffic grade			
		N/A				Native	e brown Topsoil (2-5'	manhole			
_4 											
_5	0	ΝΆ	 					Cement/Bentonite grout (0-50')			
_ _6 _						Dark	brown CLAY (5-10' some Silt, tr Grave				•
_7								1			
_8											
_ _9											
- 10	İ		!					2" din. PVC Riser			
	0	N/A	Begii	drilling with 10)" hammer bit	Weathered	i red SHALE (10-15'	(0-55)			
_12											
_13						•					
_ _14 _											
15	0	N/A	 					6" diameter Steel Casing (0-50')			
_ _16	"	IVA				Red	SILTSTONE (15-25'	I .			
_17											
_ _18											
_ _19											
_ _20								1			
_ _21	0 ,	ļ									
_ _22				•						•	•
_ _23								Cement/Bentonite			
_ _24						•	•	grout (0-50')			
_ _25											
_ _26	0										
_ _27											
_ _28											
_ _29											
30			ŀ								



PROJECT NAME: PROJECT NO.:
Ortho-Climical Diagnostics, Inc. 120802121012.001 Well No: MW-34D
PROJECT LOCATION:
Raritan, New Jersey

Eo	72	3	SON DOOR DESCRIPTION	FIELD NOTES &	
DEPTH (feet)	(Mahar)	NBC. (%)	SOIL/ROCK DESCRIPTION	MONITORING WELL DIAGRAM	
- _31	0	N/A	Red SILTSTONE (15-75')		_31
_ _32			Soft (30-40')	Cement/Bentonits grout (0-50')	_ _32
_ _ _34					34
_ _35				7	_ _35
					_ _36
				(0-55)	_ _37
					_ _38
_39	<u> </u>				_ _39
	1	_			_ _40
_			More competent bedrock (40-50').		_ _41
_41				6" diameter Steel Casing (0-50')	
_42 -					43
_43 - 44	,				_44
Ē					_45
_45				Cement/Bentonite	_ _ _46
_46 -			·	grout (0-50')	_47
_47 40					 _ _48
_48 -					_49
_49 -					_ _ _50
_50				Bentonite Shurry	_51 _51
_51				(50-52)	
_52				#000 Morie Sand	_53
_53				(52-54')	_54
_54					_55
_55					_56
_56 -					30 _57
_ 57 -	0			2" diameter 0.020" Slot	_
_58			Little water, soft bedrock at 58'.	PVC Screen (55-755)	_58
_59					_59 _
_60				DTW = 59.78' (TIC) V on 8/16/99	_60
_61					_61
_ _62				#2 Morie Sand (54-75)	_62
_ _63					_63
- _64					_64
_ _65		1			_ _65

WELL LOG

Page 3 of 3



PROJECT NAME:
Ortho-Clinical Diagnostics, Inc.
PROJECT LOCATION:
Raritan, New Jersey

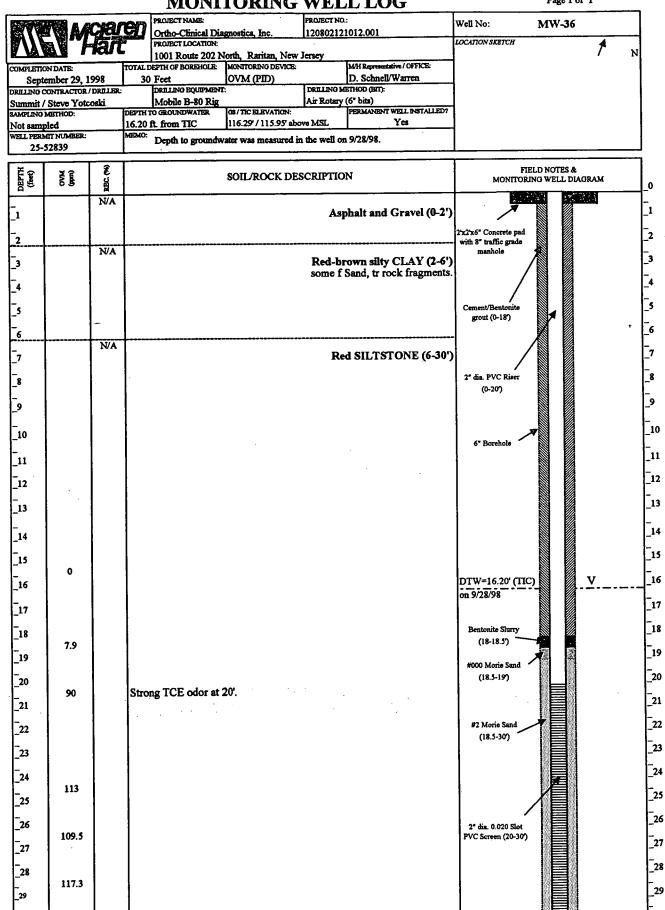
PROJECT NO.: 120802121012.001 Well No:

MW-34D

(fact)	OVM (ppm)	REC. (%)	SOIL/ROCK DESCRIPTION	FIELD NOTES & MONITORING WELL DIAGRAM
66		N/A		
67				
68			: ·	2" diameter 0.020" Slot
69	0		Soft bedrock at 68'.	PVC Screen (55-75)
70	ı			
70 71				
72				#2 Morie Sand (54-75)
73				
73 74		_		
7 4 75			End of boring at 75 feet bgs.	
	 	-	The or solving as a secondary	
76				
77				
78				-
79				-
80 81			<u>;</u>	-
_81 _82				
_82 _ _83				
_83 _84	1			
_85			·	
_85 _ _86				
_86 _ _87				
_88 -				
_89 -				
90 91				
92		1		
93				
94				
_95 -				
_96 -				
_ 97 -				
_98 -				
_99 _ _100				

					TORING				Page	1 of 1	
YV	MA	ca	en	PROJECT NAME: Ortho-Clinical Di		PROJECT NO.: 120802121		Well No:	MW-	35	
ΔM		-lan		PROJECT LOCATION:	North, Raritan, N	ew Terrer		LOCATION SKETCH			A 1
	ON DATE:			BEPTH OF BOREHOL	CONTORING DEVICE:		M/H Representative / OFFICE:	7			
	gust 14, 19 CONTRACTOR			Feet (OVM (PID)	DRILLING ME		-			
	Steve You	coski	loegos 1	Mobile B-80 Rig		Air Rotary (6" bits) PERMANENT WELL INSTALLED	7			
ot samp	led		10.55		111.79 / 111.46 abo		Ycs				
	OT NUMBER: 52838		мемо:	Depth to ground	water was measure	ed in the well	on 8/13/98.				
(feet)	(app)	REC. (%)	BLOWS /6"		SOIL/ROCI	K DESCRIP	TION		ELD NOTES LING WELL I		
		N/A	N/A			C*	ass and Top Soil (0-2	n A			
1		ŀ				Gr	ass and 1 op 50n (0-2				
2		N/A	N/A	ļ				2'x2'x6" Concrete pad with 8" traffic grade			
3		NA	````			Red-br	own silty CLAY (2-6	manhole			
4						some f	Sand, tr rock fragment	S.	/ 📗 🛙		
	_							Cement/Bentonite grou			
5	0	-						Cement/Bentonite grot (0-13')	" "		,
6		N/A	N/A	 							•
7						Re	d SILTSTONE (6-30	2° dia. PVC Riser (0-15')			
B								(0-13)			
9							-	6" Boreholo	~		
'											
10	0										
11								DTW=10.55' (TIC on 8/13/98	2-	∦.⊻	
				Dogsible	e et 12!			Bentonite Shurry			
12			1	Possible wate	rat 12°.			(13-13.5)			
13								#000 Morie Sand			
14								(1314) (1314)			
				Hard at 14'.							
15	0							#2 Morie Sand (13.5-30)			
16	0							'			
17									 		
18		1									
				Slightly damp	at 18'.						
19											
20	0			.]							
21									/1		
22	•	1			•	**		2" dia. 0.020" Slot PV			
23	1	1						2" dna. 0.020" Slot PV Screen (15-30')			
24				Possible water	er at 24'.						
25	0										
26											
27	0	1									
	້			1				1			
_28											
29											
30	0			End of boring	at 30 feet bgs						

MONITORING WELL LOG



207.1

30

End of boring at 30 feet bgs

Red-brown CLAY (5-10') some Gravel Red-brown CLAY (5-10') some Gravel Cement/Bentonita grout (0-52') Red SILTSTONE (10-80') Red SILTSTONE (10-80')					MON	ITORING	G WEL	L LOG	<u> </u>	Page 1 of 3	
PROJECT LOCATIONS DOI Radia 202 North, Raritan, New Jersey		A A GER	Mai	19/1				• • • • • • • • • • • • • • • • • • • •	Well No: M	W-37	
MERITADIO ANTES MORALISM STATEM OF ADMINISM DAMPHORANDE DESCRIPTION MORALISM CONTINUE OF ADMINISM DAMPHORANDE DESCRIPTION DESCRIPTION MORALISM CONTINUE OF ADMINISM DAMPHORANDE OF A STREET OF ADMINISM DATE OF	MIE		万海	<u> </u>		egnostics, Inc.	112080212101	2.001	LOCATION SKETCH	4	_
August 13, 1999 80 Peet OVM (PID) D. Schnell/Weren Distribution (PID) D. Schnell/Weren Distribution (PID) D. Schnell/Weren Distribution (PID) D. Schnell/Weren Distribution (PID) D. Schnell/Weren Distribution (PID) D. Schnell/Weren Distribution (PID) D. Schnell/Weren Distribution (PID) D. Schnell/Weren Distribution (PID) D. Schnell/Weren Distribution (PID) D. Schnell/Weren Distribution (PID) D. Schnell/Weren Distribution (PID) D. Schnell/Weren Distribution (PID) D. Schnell/Weren Distribution (PID) D. Schnell/Weren Distribution (PID) Distribution (PID) D. Schnell/Weren Distribution (PID) D. Schnell/Weren Distribution (PID) D. Schnell/Weren Distribution (PID) Distribution	_ VAL		YOU (9	1001 Route 202 N					Γ	1
DEBLIAND SETTION (PARTING DEPLIAND SECTION SETTION (PARTING DEPLIAND SETTION DEPLIAND SETTION DEPLIAND SETTION DEPLIAND SETTION (PARTING DEPLIAND SETTION DEPLI	OMPLETIO	N DATE:						1 -]		
Air Rotary (% and 10° bits) Air	Au	gust 13, 19	99	80							
METADO SETTICO: OPTITO CORDODWATES OPTITO CORDOWATES OPTI						ι.		• •			
of sampled In resident NAMES. In resident NA			USIKI	DEPTH 1		GS/TIC ELEVATION:	JAM ROMAN (O A	PERMANENT WELL INSTALLED?	1		
SOIL/ROCK DESCRIPTION FIELD NOTES & MONITORING WELL DIAGRAM N/A Red-brown CLAY (5-10) Some Gravel N/A Red-brown Clay (5-10) Some Gravel Cement/Bentonita grout (0-59) A sphalt (0-2') 72736' Concrete pad with 8' traffic grade membria (0-59) Cement/Bentonita grout (0-59) 2 dia PVC Riser (0-69) A sphalt (0-2') 72736' Concrete pad with 8' traffic grade membria (0-69) Red SILTSTONE (10-80')	lot samp	led		62.56	ft. from TIC	115.15 / 114.69 abor	ve MSL	Y⇔	_		
SOIL/ROCK DESCRIPTION FIELD NOTES & MONITORING WELL DIAGRAM N/A Begin drilling with 10" roller bit. Asphalt (0-2') 727276" Concrete pad with 8" traffic grade manhole Red-brown CLAY (5-10') Some Gravel Cement/Sentorials grout (0-39) To N/A Begin drilling with 10" hammer bit. Red SILTSTONE (10-80') 2" dia PVC Riser (0-60')				MEMO:	Depth to groundw	ater was measured	in the well on 8/	16/99.			
MONITORING WELL DIAGRAM N/A Begin drilling with 10" roller bit. Asphalt (0-2') 2:22'55' Concrete pad with 8" traffic grade numbels Some Gravel N/A Red-brown CLAY (5-10') Some Gravel Cement/Bentonitis grout (0-59') 2" dia PVC Riser (0-69') 11 12 13 14 15			Ŷ	<u> </u>					FIELD N	OTES &	
Asphalt (0-2') N/A Red-brown CLAY (5-10') Some Gravel Cement/Bertonits grout (0-57) Red SILTSTONE (10-80') Tx2x's' Concrete pad with * traffic grade manholes (0-57) Red SILTSTONE (10-80') **Community of the contract		6 6) com				DESCRIPTION	.			
Red-brown CLAY (5-10') Some Gravel Cement/Bentonitis grout (0-55') N/A Begin drilling with 10" harmer bit. Red SILTSTONE (10-80') 6" diameter Steel 6" diameter Steel	. 1		N/A	Begin	n drilling with 1	0" roller bit.	-			in us	
Red-brown CLAY (5-10') some Gravel Cement/Bentonite grout (0-57) Cement/Bentonite grout (0-57) Red SILTSTONE (10-80') 6' diameter Steel	_i							Asphalt (0-2')			
Red-brown CLAY (5-10') Some Gravel Cement/Berntonits grout (0-55') 2º dia FVC Riser (0-60') Red SILTSTONE (10-80') 6° diameter Steel	·		1								
Red-brown CLAY (5-10') some Gravel Cement/Bentonite grout (0-55') Cement/Bentonite grout (0-55') 2° dia FVC Riser (0-60') Red SILTSTONE (10-80') 6° diameter Steel	2		N/A	 							
Cement/Bentoritis grout (0-55) Cement/Bentoritis grout (0-55) Cement/Bentoritis grout (0-57) Red SILTSTONE (10-80') Cement/Bentoritis grout (0-59) Cement/Bentoritis grout (0-59)	<u> </u>			1			Red				
Cement/Bertorits grown (0-55) Cement/Bertorits grown (0-55) Red SILTSTONE (10-80') Red SILTSTONE (10-80') 6" diameter Steel 6" diameter Steel	_			1	:			some Grave			
0 N/A Begin drilling with 10" hammer bit. Red SILTSTONE (10-80') 6" diameter Steel	4							•			
0 N/A Begin drilling with 10" hammer bit. Red SILTSTONE (10-80') 6" diameter Steel	5		İ								
2" dia PVC Riser (0-60") 10 N/A Begin drilling with 10" hammer bit. Red SILTSTONE (10-80") 6" diameter Steel	- I	0	i								
2" dia PVC Riser (0-60') N/A Begin drilling with 10" hammer bit. Red SILTSTONE (10-80') 6" diameter Steel	_6		-					•			
2" dia PVC Riser (0-60') N/A Begin drilling with 10" hammer bit. Red SILTSTONE (10-80') 6" diameter Steel	I										
2° dia PVC Riser (0-60°) 11 Red SILTSTONE (10-80°) 12 6° diameter Steel	_7									. 88	
2° dia PVC Riser (0-60°) 11 Red SILTSTONE (10-80°) 12 6° diameter Steel	- 8										
2" dia PVC Riser (0-60') 11 Red SILTSTONE (10-80') 6" diameter Steel											
0 N/A Begin drilling with 10" hammer bit. Red SILTSTONE (10-80') 12 13 14 15	و		1					•			
0 N/A Begin drilling with 10" hammer bit. Red SILTSTONE (10-80') 12 13 14 15	_			1							
Red SILTSTONE (10-80') Red SILTSTONE (10-80')	10		<u> </u>	<u> </u>							
12 13 14 15 6" dismeter Steel 15 16 17 18 18 18 18 18 18 18	-]	0	N/A	Begi	n drilling with 1	0" hammer bit.			, ,		
13 14 15 6° dismeter Steel	_11,			1			Red	SILTSTONE (10-80')		
13 14 15 6° dismeter Steel	-,										
14 15	713										
14 15	- 13		1					•			
6" dismeter Steel			[1							
6" dismeter Steel	14		1	1							
15	_		1								
	_15	١.	1	1							
	- 16	i °		1				:	(,,,,		

_17

_ _18 _ _19

> _ _20

_ _2i

_22

_ _23

_24

_25

_ _26

_27

_28

_29

grout (0-50°)

_17

_18

_19

_20

_21

_22

_23

_ _24

_ _25

_ _26

_27

_28

30

2.1

0.6

14.8

4

12.8

3.6

4

0.2

Soft (26-34').

Wet at 28'.

Page 2 of 3



WELL LOG PROJECT NAME: Ortho-Clinical Diagnostics, Inc.
PROJECT LOCATION: 120802121012.001 Well No: MW-37 Raritan, New Jersey

DEPTH (feet)	OVNE (mpm.)	BEC. (%)	SOIL/ROCK DESCRIPTION	FIELD NOTES &	
<u>α</u>	5.5	N/A		MONITORING WELL DIAGRAM	L
_31	2.5			Cement/Bentonite	_31
_ _32	2.5		Red SILTSTONE (10-80')	grout (0-55')	_ _32
_ _33					_ _33
_ _34	0.4				- _34
	0		Consistently harder (34-50').		_ _35
_				2" dia. PVC Riser	
_36 		1		(0-60')	-^^ - _37
_37	0.2				-36 -38
_38					l
_39		-			_39
_40			More competent bedrock (40-50').		_40 _
_41	0			6° diameter Steel	_41
_ _42	ľ			Casing (0-50')	_42
_43	_				_43
_44	0				-44
_ _45				Cement/Bentonite	45
_ _46				Cement/Bentonite grout (0-50')	-40
_ _47	0.4				- -47
_ _48	1				- -41
49	0.2				- _49
					50
_	,		Begin drilling with 6" hammer bit.	Cement/Bentonite grout	- _5
_51				(0-59)	5:
_52	0				
_53			Soft at 53'.		L
_54					_5
_55					_55
_56			Soft at 56'.	Bentonite Slurry (55-58)	_50
_57				(35-38)	_5
_58	"			#000 Morie Sand	_5
59				(58-59)	_5
_60				2" diameter 0.020" Slot	_6
_ _61	0			PVC Screen (60-80')	_6
_62					_ _6
L				DTW = 62.56 (TIC) V on 8/16/99	6
_63 -				/	-6
_64	ŀ			#2 Mortie Sand (59-80')	-°
_65	I	1			6



PROJECT NAME:
Ortho-Clinical Diagnostics, Inc.
120802121012.001

PROJECT NO.:
Well No:
MW-37

PROJECT NO.:
PROJECT NO.:
PROJECT NO.:

PROJECT NO.:

PROJECT NO.:

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PROJECT NO.:

PROJECT NO.:

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PROJECT NO.:

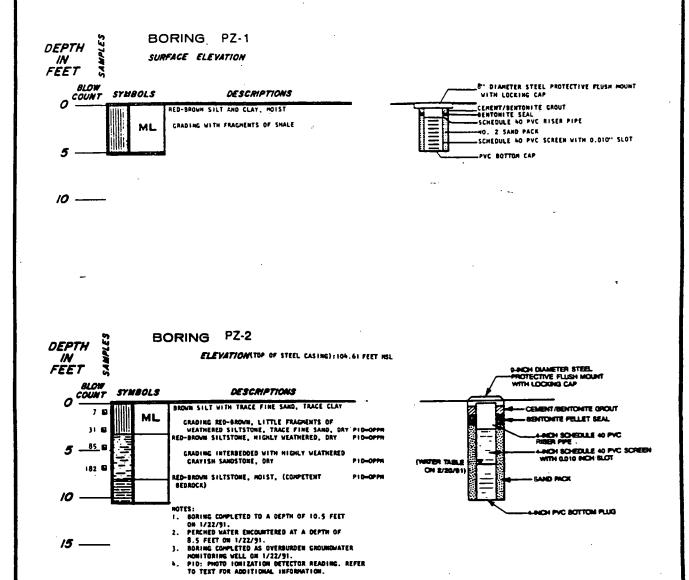
120802121012.001

Well No.:

MW-37

DEPTH (feet)	(mem.)	REC. (%)	SOIL/ROCK DESCRIPTION	FIELD NOTES & MONITORING WELL DIAGRAM
66	0	N/A	Red SILTSTONE (10-80')	
			144 511151 5112 (17 57)	
67				
_68				2" diameter 0.020" Slot PVC Screen (60-80')
_69	0			
70	0		Lense of fine to medium Sand at 70'.	
_ 7 1	Ů		Poliso of the te median band at 70.	
72				#2 Morie Sand (59-80')
_ _73				
- _74		-	Lense of fine to medium Sand at 73'.	
_				
_75 	0			
_76 				
_77 -				
_78 -	0			
_ 7 9 -				
80			End of boring at 80 feet bgs.	
_81			· ·	
_82				
_83				
_84				
_85				
_ _86				
_ _87				
_88				
_88 _ _89				
_				
_ _91				
92				
_90 _91 _92 _93 _94				
- - 94				
 _ 				
_96 				
_97 _				
_98 -				
_99				
100	<u>l</u>	1		<u> </u>

WELL (1)	. ~	⊢.'	TER	.,	ສຸ	90	Page I of I
MELL CONSTRUCTION (feet)	SAMPLE	BLOWS/FT	GROUNDWATER DEPTH	SAMPLES	SOIL CLASS	GRAPHIC LOG	MATERIALS DESCRIPTION
Elevation (Top of Inner Casing) II2.40 Feet MSL							BROWN MEDIUM SAND, SOME ORGANIC MATERIAL, TRACE GRAVEL, PID 0 ppm TAN TO BROWN MEDIUM TO COARSE SAND.
10 Inch Diameter Borehole				;	٠		(FILL) PIO Oppm
Cement/ Bentonite Grout 6 Inch			·			 	RED-BROWN SILTSTONE, EXTREMELY WEATHERED, SOME SILT, TRACE CLAY (WEATHERED BEDROCK) PID Oppm
Diameter Steel Casing							RED-BROWN SILTSTONE, (COMPETENT BEOROCK), DRY, PID Oppm
H5			Ţ				
5 7/8 Inch —20 Diameter Borehole			7				
25							
F ₃₀							NOTES:
- - -							1. CASING SET TO DEPTH OF 16 FEET. 2. OVERBURDEN SAMPLED CONTINUOUSLY WITH SPLIT SPOONS. 3. BORING COMPLETED AT A DEPTH OF 30 FEET.
-35		1					4. BORING FINISHED AS A GROUNDWATER MONITORING WELL ON 1/21/92. 5. PID: PHOTO IONIZATION DETECTOR READING - SEE TEXT FOR ADDITIONAL INFORMATION.
<u>-</u> 40							6. DEPTH TO GROUNDWATER MEASURED AT 17.46 FEET ON 2/17/92.
Dames & Moore							AND WELL DETAILS MW-MT
Cranford, New Jersey			NAME NG MET			DIAGNOS T	DRILLING METHOD AIR HAMMER
						30 Fe	· · · · · · · · · · · · · · · · · · ·



15 ·

LOG OF BORING AND MONITORING WELL DETAILS

Dames & Moore

APPENDIX R

Monitoring Well Certification Form A's

Monitoring Well Certification Form A's are not available for the following wells: MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, MW-7, MW-8, MW-9, MW-18, MW-19, MW-MT, and PZ-2.

THIS FORM MUST BE COMPLETED BY THE PERMITTEE OR HIS/HER AGENT

GROUND WATER

MONITORING WELL CERTIFICATION - FORM A - AS-BUILT CERTIFICATION

(One form must be completed for each well)

t plogic Log:	•	ATTACH	ON BACK
r th or time Well	Pumped or Bailed:	Hours ATTACH	Minutes Ov BACK
eld (Gallons per M	inute):		
1 e of Certification	on (one-hundredth of a foot):	28.29	
sing Diameter (Inch	rom Top of Casing at The		
sing Material: (PV	C, Steel or Other-Specify):	6	J
en Material:		NA Stainless Stee	
n or Slot Size:		NA	
rean Length (feet)	(open hole interval)	13.0	
ce-tenth of a foo	t): (top of open hole)	20.0	
tal Depth of Revel	en From Top of Casing		
: face (one-hundre	(one-tenth of a foot):	33.0	
: ance from Top of	Casing (cap off) to ground	-0.21	
11 Completion Date	s and the second of	0/ 22/ 30	
i plans):	•	MW-10 6/22/90	t e
-1- Wall Washen	(As shown on the application		
; s number must be li casing.	permanently affixed to the	2 5 3 6	5 4 1 0
incation Section (609-984-6831):		
11 Permit Number (As assigned by NJDEP's Water		
INEER'S CERTIFICA	TTOM		
PDES Permit No:	NJ0057894		
n stion :-	RARITAN, NJ 08869	The state of the s	<i>,</i>
N.A AD PERSONAL (US ROUTE 202 NORTH	956 - 15 8 -	
me of Permittees	ORTHO DIAGNOSTIC SYSTEMS, INC.	-	

rtify under penalty of law that I have personally examined and am maliar with the information submitted in this document and all attaches and that, based on my inquiry of those individuals immediately sonsible for obtaining the information, I believe the submitted immation is true, accurate and complete. I am aware that there are gnificant penalties for submitted false information including the sibility of fine and imprisonment.

ssional Engineer's Signature

JAMES J. DE TJE Plessional Engineer's Name (Please type or print)

SEAL

9555 essional Engineer's License 4

_ ORTHO DIAGNOSTIC SYSTEMS, INC.

:Yeen Length (feet): (open hole interval) en or Slot Size: en Material: en Material: (PVC, Steel or Other-Specify): ising Diameter(Inches): ic Water Level From Top of Casing at The ie of Certification(one-hundredth of a foot): eld (Gallons per Minute): th or time Well Pumped or Bailed: cologic Log:	16.6 NA NA Stainless Steel 6 15.12 Hours ATTACH ON	Kinutes
en or Slot Size: en Material: ising Diameter(Inches): ic Water Level From Top of Casing at The ie of Certification (one-hundredth of a foot): eld (Gallons per Minute):	NA NA Stainless Steel 6	
en or Slot Size: en Material: puting Material: (PVC, Steel or Other-Specify): using Diameter(Inches): ic Water Level From Top of Casing at The	NA NA Stainless Steel 6	
en Length (feet): (open hole interval) en or Slot Size: en Material: puring Material: (PVC, Steel or Other-Specify): using Diameter(Inches):	NA NA Stainless Steel	
en Length (feet): (open hole interval) en or Slot Size: en Material: Length (FVC, Steel or Other-Specify):	NA NA Stainless Steel	
:Teen Length (feet): (open hole interval) en Material:	NA NA	
:Yeen Length (feet): (open hole interval) .	NA	
:Yeen Length (fest): (open hole interval)	And State of the Control of the Cont	
e-tenth of a foot): (to top of open hole)	10.6	
h to Top of Screen From Top of Casing		
stal Depth of Well (one-tenth of a foot):	2/.2	
face (one-hundredth of a foot);	-0.35	
11 Completion Date:	77 37 30	
plans):	7/3/90	**
ir's Well Number (As shown on the application	MW-11	
irl casing.	2 5 3 6 5	4 2 8
number must be permanently affixed to the		
:11 Permit Number (As assigned by NJDEP's Water		
(NEER'S CERTIFICATION		
JPDES Permit No: NJ0057894		
RARITAN, NJ 08869	en si en en en en en en en en en en en en en	
urtho DIAGNOSTIC SYSTEMS, INC. US ROUTE 202 NORTH		

rtify under penalty of law that I have personally examined and am miliar with the information submitted in this document and all attachnts and that, based on my inquiry of those individuals immediately onsible for obtaining the information, I believe the submitted mation is true, accurate and complete. I am aware that there are gnificant penalties for submitted false information including the ibility of fine and imprisonment.

essional Engineer's Signature

TAMES TIDETTE Ofessional Engineer's Name (Please type or print)

SEAL

9535 (essional Engineer's License 4

- THIS FORM MUST BE COMPLETED BY THE PERMITTEE OR HIS/HER AGENT

GROUND WATER MONITORING WELL CERTIFICATION - FORM B LOCATION CERTIFICATION

Name of Permittee:

Ortho Diagnostics

Name of Facility:

Ortho Diagnostics

Location:

Raritan, NJ

NJDES Number:

LAND SURVEYOR'S CERTIFICATION

Well Permit Number (As assigned by NJDEP's Water Allocation Section, 609-984-6831) This number must be permanently affixed to the well casing.

Longitude (one-tenth of a second): Latitude (one-tenth of a second): Elevation of Top of Casing (cap off) (one-hundredths of a foot): Owners Well Number (As shown on the application or plans):

West	74 :							
North	40	34	18.2		<u> </u>			
RIM :	L17.79	Cas	sing	117.29				
MW-12								

AUTHENTICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

Mathes

PROFESSIONAL LAND SURVEYOR'S SIGNATURE

Richard C. Mathews

SEAL -

PROFESSIONAL LAND SURVEYOR'S NAME (Please print or type)

New Jersey License #29353

PROFESSIONAL LAND SURVEYOR'S LICENSE #

The Department reserves the right in cases of violation of permit specified ground water limits or Ground Water Quality Standards (N.J.A.C. 7:9-6.1 et seq.) to require that wells be resurveyed to an accuracy of one-hundredth of a second latitude and longitude. This shall not be considered to require a major modification of the NJPDES permit.

of Pacility: ORTHO DIAGNOSTIC SYSTEMS, INC. US ROUTE 202 NORTH	
RARITAN, NJ 08869	
NEER'S CERTIFICATION Permit Number (As assigned by NJDEP's Water	
incation Section (609-984-6831): number must be permanently affixed to the casing.	2 5 3 6 5 4 4 4
T's Well Number (As shown on the application	MW-13
S	7/2/90
ince from Top of Casing (cap off) to ground [ace (one-hundredth of a foot);	-0.21
tal Depth of Well (one-tenth of a foot):	33.5
en Length (feet): (to top of open hole)	11.75 21.75
√ }n or Slot Size:	NA
in Material: (PVC, Steel or Other-Specify):	NA Stainless Steel
:ing Diameter(Inches):	6
c Water Level From Top of Casing at The color of Certification (one-hundredth of a foot):	24.26
eld (Gallons per Minute):	Hours Minutes
plogic Log:	ATTACH ON BACK
THENTICATION: tify under penalty of law that I have person	ally examined and am

itify under penalty of law that I have personally examined and am liar with the information submitted in this document and all attachints and that, based on my inquiry of those individuals immediately insible for obtaining the information, I believe the submitted imation is true, accurate and complete. I am aware that there are inificant penalties for submitted false information including the libility of fine and imprisonment.

JAMES T. DETTO

ofessional Engineer's Name (Please type or print)

SEAL

9555 bssional Engineer's License 4

ame of Permittees ame of Pecility: Astion= ONTHO DIAGNOSTIC SYSTEMS. INC. UN ROUTE 202 RORTH PRARTIARY NJ 08869 NJ0057894 N INEER'S CERTIFICATION ell Permit Number (As assigned by NJDEP's Water llocation Section (609-984-6831); h s number must be permanently affixed to the ell casing. W er's Well Number (As shown on the application plans); ell Completion Date: i tance from Top of Casing (cap off) to ground rface (one-hundredth of a foot); tall Depth of Well (one-tenth of a foot); reach to Top of Sereen From Top of Casing (ne-tenth of a foot); (open hole interval) Teen or Slot Size: On Material: Ing Material: (PVC, Steel or Other-Specify); asing Diameter(Inches); tic Water Level From Top of Casing at The I ne of Certification (one-hundredth of a foot); reth or time Well Pumped or Bailed: hologic Log: THENTICATION: sertify under penalty of law that I have personally examined and am haliar with the information submitted in this document and all attach- nnts and that, based on my inquiry of those individuals immediately ponsible for obtaining the information, I believe the submitted permation is true, accurate and complete. I am eware that there are ignificant penalties for submitted false information including the stillity of fine and imprisonment. James T. Dete fessional Engineer's Signature TAMES T. Dete		
US ROUTE 202 NORTH RARTAN, NJ 08869 JPDES Permit No: **RITAN, NJ 08869 **RITAN, NJ 0866 **RITAN, NJ 086		
N INSER'S CERTIFICATION ell Permit Number (As assigned by NJDEP's Water llocation Section (609-984-6831): h s number must be permanently affixed to the e.l casing. **er's Well Number (As shown on the application plans): it tance from Top of Casing (cap off) to ground rface (one-hundredth of a foot); ptal Depth of Well (one-tenth of a foot); prent to Top of Screen From Top of Casing (ne-tenth of a foot): (to top of open hole) reen or Slot Size: en Material: (PVC, Steel or Other-Specify): titc Water Level From Top of Casing at The ne of Certification (one-hundredth of a foot): titc Water Level From Top of Casing at The ne of Certification (one-hundredth of a foot): right or time Well Pumped or Bailed: Hours Minutes hologic Log: Hours Minutes hologic Log: ATTACH ON BACK THENTICATION: strify under penalty of law that I have personally examined and am miliar with the information submitted in this document and all attachmuts and that, based on my inquiry of those individuals immediately ponsible for obtaining the information, I believe the submitted Document of the penalties for submitted false information including the	S STION US ROUTE 202 NORTH	
N INEER'S CERTIFICATION ell Permit Number (As assigned by NJDEP's Water l'ocation Section (609-984-6831): h s number must be permanently affixed to the ell casing. 2 5 3 6 5 4 5 2 w er's Well Number (As shown on the application plans): ell Completion Date: i tance from Top of Casing (cap off) to ground r face (one-hundredth of a foot); ratl Depth of Well (one-tenth of a foot); ratl Depth of Well (one-tenth of a foot); rath to Top of Screen From Top of Casing (ne-tenth of a foot); (to top of open hole) reen Length (feet); (open hole interval) en Material: (FVC, Steel or Other-Specify); tic Water Level From Top of Casing at The lend (Gallons per Minute); reth or time Well Pumped or Bailed; hologic Log; THENTICATION: ertify under penalty of law that I have personally examined and am militar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately romation is true, accurate and complete. I am aware that there are ignificant penalties for submitted false information including the rofessional Engineer's Signature TAMES T. DETIB rofessional Engineer's Signature (Please type or print) SEAL		
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ell Completion Date: i tance from Top of Casing (cap off) to ground r face (one-hundredth of a foot); tal Depth of Well (one-tenth of a foot): puth to Top of Screen From Top of Casing (ne-tenth of a foot): (to top of open hole) reen Length (feet): (open hole interval) reen or Slot Size: len Material: ling Material: (PVC, Steel or Other-Specify): sing Diameter(Inches): t tic Water Level From Top of Casing at The f me of Certification (one-hundredth of a foot): ield (Gallons per Minute): reth vine Well Pumped or Bailed: hologic Log: THENTICATION: srtify under penalty of law that I have personally examined and am liliar with the information submitted in this document and all attachmints and that, based on my inquiry of those individuals immediately ponsible for obtaining the information, I believe the submitted compactor of the submitted false information including the stibility of fine and imprisonment. Tames T. Dete rofessional Engineer's Signature JAMES T. Dete rofessional Engineer's Name (Please type or print) SEAL		MW-14
i tance from Top of Casing (cap off) to ground reface (one-hundredth of a foot); 2nth Depth of Well (one-tenth of a foot); 2nth to Top of Screen Prom Top of Casing (ne-tenth of a foot): (to top of open hole) reen Length (feet): (open hole interval) 20.0 14.0 NA NA NA NA NA NA NA NA NA N		
rface (one-hundredth of a foot); tal Depth of Well (one-tenth of a foot): **The to Top of Screen From Top of Casing (ne-tenth of a foot): (to top of open hole) reen Length (feet): (open hole interval)		
ptal Depth of Well (one-tenth of a foot): 1	rface (one-hundredth of a foot);	-0.28
(ne-tenth of a foot): (to top of open hole) treen Length (feet): (open hole interval) Ten or Slot Size: In Material: Ling Material: (PVC, Steel or Other-Specify): Ising Diameter(Inches): It ic Water Level From Top of Casing at The Time of Certification (one-hundredth of a foot): It id (Gallons per Minute): Ingth or time Well Pumped or Bailed: Indicate the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately: It ponsible for obtaining the information, I believe the submitted in principle of intervals and complete. I am aware that there are ignificant penalties for submitted false information including the Tames T. Determination including the rofessional Engineer's Signature Tames T. Determination Toessional Engineer's Name (Please type or print) SEAL	otal Depth of Well (one-tenth of a foot):	34
reen Length (feet): cen or Slot Size: ing Material: ling Material: (PVC, Steel or Other-Specify): sing Diameter(Inches): tic Water Level From Top of Casing at The ree of Certification (one-hundredth of a foot): ield (Gallons per Minute): refth or time Well Pumped or Bailed: hologic Log: THENTICATION: srtify under penalty of law that I have personally examined and am miliar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately ponsible for obtaining the information, I believe the submitted romation is true, accurate and complete. I am aware that there are ignificant penalties for submitted false information including the sibility of fine and imprisonment. Tames T. Dete rofessional Engineer's Name (Please type or print) SEAL	enth to Top of Screen From Top of Casing	
Pen or Slot Size: In Material: In Material: (PVC, Steel or Other-Specify): Ising Material: (PVC, Steel or Other-Specify): Ising Material: (PVC, Steel or Other-Specify): Ising Diameter (Inches): It ic Mater Level From Top of Casing at The I me of Certification (one-hundredth of a foot): Iteld (Gallons per Minute): I me of Certification (one-hundredth of a foot): I me of Certification	, we appear of a fact ,	
en Material: 1. ing Material: (PVC, Steel or Other-Specify): 2. sing Diameter(Inches): 2. tic Water Level From Top of Casing at The 3. ine of Certification (one-hundredth of a foot): 3. ield (Gallons per Minute): 3. irgth or time Well Pumped or Bailed: 4. hours Minutes 4. hologic Log: 2. ATTACH ON BACK 2. THENTICATION: 5. srtify under penalty of law that I have personally examined and am 4. iliar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately 3. ponsible for obtaining the information, I believe the submitted 4. printion is true, accurate and complete. I am aware that there are 6. ignificant penalties for submitted false information including the 7. sibility of fine and imprisonment. 3. India T. Detection Torsesional Engineer's Signature TAMES T. DETECTION (Please type or print) SEAL	15000	
ing Material: (PVC, Steel or Other-Specify): sing Diameter(Inches): tic Water Level From Top of Casing at The me of Certification (one-hundredth of a foot): ield (Gallons per Minute): rgth or time Well Pumped or Bailed: butter Log: THENTICATION: strify under penalty of law that I have personally examined and am initiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately ponsible for obtaining the information, I believe the submitted commation is true, accurate and complete. I am aware that there are ignificant penalties for submitted false information including the stibility of fine and imprisonment. Tames T. Dete rofessional Engineer's Signature TAMES T. DETE rofessional Engineer's Name (Please type or print) SEAL		
ising Diameter (Inches): t tic Water Level From Top of Casing at The I me of Certification (one-hundredth of a foot): ield (Gallons per Minute): igh or time Well Pumped or Bailed: hologic Log: THENTICATION: ertify under penalty of law that I have personally examined and am miliar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately ponsible for obtaining the information, I believe the submitted promation is true, accurate and complete. I am aware that there are ignificant penalties for submitted false information including the sibility of fine and imprisonment. James T. Dette Tames T. Dette (Please type or print) SEAL		
tic Water Level From Top of Casing at The I me of Certification (one-hundredth of a foot): ield (Gallons per Minute): irgth or time Well Pumped or Bailed: i hologic Log: Hours Minutes		
I me of Certification (one-hundredth of a foot): ield (Gallons per Minute): rgth or time Well Pumped or Bailed: Hours		
ield (Gallons per Minute): 1 gth or time Well Pumped or Bailed: 1 hologic Log: Hours Kinutes	I me of Certification (one-hundredth of a foot):	17.87
Hours Minutes I hologic Log: THENTICATION: Extify under penalty of law that I have personally examined and am Liliar with the information submitted in this document and all attach- ents and that, based on my inquiry of those individuals immediately ponsible for obtaining the information, I believe the submitted Dormation is true, accurate and complete. I am aware that there are ignificant penalties for submitted false information including the sibility of fine and imprisonment. Tames T. Dete Tames T. Dete Tolessional Engineer's Name (Please type or print) SEAL		
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ertify under penalty of law that I have personally examined and am unitiar with the information submitted in this document and all attachents and that, based on my inquiry of those individuals immediately ponsible for obtaining the information, I believe the submitted primation is true, accurate and complete. I am aware that there are ignificant penalties for submitted false information including the sibility of fine and imprisonment. James T. Dete	i hologic Log:	ATTACH ON BACK
TAMES T. DETE rofessional Engineer's Name (Please type or print) SEAL	JTHENTICATION:	me her beginning
rofessional Engineer's Name (Please type or print) SEAL	ertify under penalty of law that I have personaliar with the information submitted in this ents and that, based on my inquiry of those into possible for obtaining the information, I believe the information is true, accurate and complete. I a ignificant penalties for submitted false information.	document and all attach- lividuals immediately lieve the submitted im aware that there are
rofessional Engineer's Name (Please type or print) SEAL	ertify under penalty of law that I have personaliar with the information submitted in this ents and that, based on my inquiry of those into possible for obtaining the information, I believe the penalties for submitted false information penalties for submitted false information of fine and imprisonment.	document and all attach- lividuals immediately lieve the submitted im aware that there are
	ertify under penalty of law that I have personaliar with the information submitted in this ents and that, based on my inquiry of those incomposible for obtaining the information, I believe the penalties for submitted false information of fine and imprisonment. Summer T. Dele fessional Engineer's Signature	document and all attach- lividuals immediately lieve the submitted im aware that there are
	ertify under penalty of law that I have personal authority of the information submitted in this ents and that, based on my inquiry of those incomposible for obtaining the information, I believe that it is true, accurate and complete. I submitted false information penalties for submitted false information of fine and imprisonment.	document and all attach- lividuals immediately lieve the submitted am aware that there are mation including the

: fessional Engineer's License 4

SDED EARLY FINDS OF FRICE PROPERTY OF SHE KARLETTER OF FIREINGS WARNING

GROUND WATER MONITORING WELL CERTIFICATION - FORM A - AS-BUILT CERTIFICATION (One form must be completed for each well)

	ORTHO DIAGNOSTIC SYSTEMS, INC.	
ame of Parmittees	ORTHO DIAGNOSTIC SYSTEMS, INC.	
o stions	US ROUTE 202 NORTH	
	RARITAN, NJ 08869	
JPDES Permit No:	ทัวดี57894	
NI INEER'S CERTIFICATI	ON	
ell Permit Number (As liocation Section (60	assigned by NJDEP's Water	
his number must be De	rmanently affixed to the	_
al easing.	·	2 5 3 6 9 4 1 5
	s shown on the application.	MW-15
or plans):		6/26/90
ell Completion Date: irtance from Top of C	asing (cap off) to ground	
n face (one-hundredt	h of a foot);	-0.26 25
epth to Top of Screen	Prom Top of Casing	
(t metenth of a foot)	g (to top of open hole)	12.5
:Len Length (feet):	(open hole interval)	12.5
reen or Slot Size:	·	NA
()en Material:		NA Stainless steel
ir ing Material: (PVC, ising Diameter(Inches	Steel or Other-Specify):	6
Water Level Fro	m Top of Casing at The	
3 R of Certification	(one-hundredth of a foot):	12.3
.eld (Gallons per Min	ute):	
erath or time Well Pu	mped or Bailed:	Hours Minute
.1 lologic Log:		ATTACH ON BACK
in liar with the info ints and that, based is onsible for obtain is irmation is true, a	y of law that I have person treation submitted in this do not may inquiry of those indicates the information, I belificourate and complete. I amfor submitted false information imprisonment.	ocument and all attached viduals immediately eve the submitted are
James T. D.		
cessional Engineer	s signature	
JAMES T. L		
I ofessional Enginee (Please type or pr	r's Name :int)	SEAL

9555 : essional Engineer's License 4

me of Permittee: me of Facility: c tion:	ORTHO DIAGNOSTIC SYSTEMS, INC. ORTHO DIAGNOSTIC SYSTEMS, INC. US ROUTE 202 NORTH RARITAN, NEW JERSEY 08869 NJ0057894		
PDES Permit No:	N30037034		
location Section (As assigned by NJDEP's Water	2 5 3 6 5	4 6-
	(As shown on the application	MW-16	
r plans): 11 Completion Date	•	6/27/90	the second of the second of
s ance from Top of a lace (one-hundre	Casing (cap off) to ground	-0.35 31.0	
oth to Top of Scre	en From Top of Casing	20.0	•
nen Length (feet)	<pre>t): (to top of open borehole) (open borehole interval)</pre>	20.0	200 <u>1</u> 10 14 1
ren or Slot Size:	(Open borenore ricervary	NA	17 Miles 18 Miles 19 Miles
n Material:		NA Stainless Steel	
ing Diameter (Inch	C, Steel or Other-Specify):	6	·
1' le Water Level F.	rom Top of Casing at The on (one-hundredth of a foot):	13.81	
arth or time Well		Hours	Minutes
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ntiar with the in its and that, base in insible for obta it mation is true,	lty of law that I have person formation submitted in this d d on my inquiry of those indication, I beliance and complete. I am s for submitted false information and imprisonment.	ocument and al viduals immedi eve the submit aware that the	l attach- ately ted ere are
James T	Te Signature		
	T. DETTE		
? ofessional Engin			
(Please type or	print)	•	SEAL

9555 essional Engineer's License (

m_ of Permittee:	ORTHO DIÀGNOSTIC SYSTEMS, INC.	
me of Facility:	ORTHO DIAGNOSTIC SYSTEMS, INC.	
c. tion:	US ROUTE 202 NORTH	40.7 M
•	RARITAN, NEW JERSEY 08869	
PDES Permit No:	NJ0057894	
3: MEER'S CERTIFICATE	COM	
	s assigned by NJDEP's Water	
location Section (60		
_	ermanently affixed to the	2 5 = 3 6 5 4 7 = 9
l casing.		2 5 3 6 5 4 7 9
14 . Te Wall Bumber /	As shown on the application	·
: >lans):	m and an one appropriately	MW-17
11 Completion Date:		6/26/90
	easing (cap off) to ground	-0.49
is ace (one-hundred)		26.5
	one-tenth of a foot): Trom Top of Casing	20.5
of e foot)	(to top of open borehole)	12.0
: aun Length (feet):	(open borehole interval)	14.5
men or Slot Size:		NA
n Material:	Shoot on Oakon-Bood for	NA
ing Diameter (Inches	Steel or Other-Specify):	Stainless Steel
	m Top of Casing at The	<u> </u>
	(one-hundredth of a foot):	12.22
eld (Gallons per Min		
19th of time Well Pu	mped or Bailed:	Hours Minutes
:h logic Log:	•	ATTACH ON BACK
THENTICATION:		
	y of law that I have persone	ally examined and am
id_iar with the info	rmation submitted in this do	ocument and all attach-
its and that, based	on my inquiry of those indi-	viduals immediately
if naible for obtain	ing the information, I believe and complete. I am	eve the submitted
inificant penalties	for submitted false information	aware that there are
is bility of fine an	d imprisonment.	poon Theingrud fua
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	- D 1/-	
Maries Tames	· Jeve	
m : ssional Engineer.	a siduatria	

SEAL

95555 ssional Engineer's License #

'I fessional Engineer's Name Please type or print)

JAMES T. DETTE

Name of Permittee:	Ortho Diagnostic Systems, Inc.	
Name of Facility:	Ortho Diagnostic Systems, Inc.	
Location:	Raritan, New Jersey	
	NJ0057894	
NJPDES-DGW Permit No.:	1130037054	
CERTIFICATION		
Well Permit Number (as assigned by	NIDEP's	
Bureau of Water Allocation):	113224 3	25-38109-1
Owner's Well Number (as shown on	the application	
of plans):		MW-20
Well Completion Date:	<u></u>	2/8/91
Distance From Top of Casing (cap of	ff) to ground	
surface (one-hundredth of a foot):		-0.28
Total Depth of Well (one-hundredth	of a foot):	30.0
Depth to Top of Open Hole From To	op of Casing	•
(one-hundredth of a foot):		16.32
Open Hole Length (feet):		13.40
Screen or Slot Size:		NA.
Screen or Slot Material:		NA .
Casing Material: (PVC, Steel, or Other	her - Specify):	Stainless Steel
Casing Diameter (inches):		6-inch
Static Water Level From Top of Casi	ing at the Time of	20.25
Installation (one-hundredth of a foo	ot):	
Yield (gallons per minute):		
Length of Time Well Pumped or Bai	led:	Attached
Lithologic Log	-:	Attached
AUTHENTICATION		
all amachments and that based on my inquity	nally examined and am familiar with the inform of those individuals immediately responsible for	or optaining the information, I believe
the submitted information is true, accurate,	and complete. I am aware that there are sign	nificant penalties for submitting talke
information, including the possibility of fine a	and impresonment.	
Richard Green	- Heli	Mr. Joune
Name (type or print)	Signature	
Name (type or pinn)		
		•
Dames & Moore	•	
Company		
26731		
Certification or License No.		•
	Se	aı
Guis die hu Frantisco Officer or	Duly Authorized Representative	
Certification by Executive Officer or	Duly Authorized Representative	
Name (type or print)	Signature	
Mame (type or brunt)	2. 6-m2.	
m: 1	Date	
Title	Date	

Name of Permittee:	Ortho Diagnostic Systems, Inc.	·
Name of Facility:	Ortho Diagnostic Systems, Inc.	
Location:	Raritan, New Jersey	
	NJ0057894	
NJPDES-DGW Permit No.:	11,100,376,74	
CERTIFICATION		
Well Permit Number (as assigned by	NIDEP's	
Bureau of Water Allocation):		25-38110-5
Owner's Well Number (as shown on	the application	
of plans):		MW-21
Well Completion Date:		2/8/91
Distance From Top of Casing (cap of	ff) to ground	
surface (one-hundredth of a foot):		-0.37
Total Depth of Well (one-hundredth	of a foot):	30.0
Depth to Top of Open Hole From T	on of Casing	
(one-hundredth of a foot):	op 0. 0	14.00
		15.6
Open Hole Length (feet): Screen or Slot Size:		NA
Screen or Slot Material:		NA
Casing Material: (PVC, Steel, or Ot	her - Specify):	Stainless Steel
	ici - Specify).	6-inch
Casing Diameter (inches): Static Water Level From Top of Cas	ing at the Time of	
Stanc Water Level From Top of Cas	mg at the Time of	8.30
Installation (one-hundredth of a foo		
Yield (gallons per minute):	ilad.	
Length of Time Well Pumped or Bai		Attached
Lithologic Log	_	1 4140,700 4
AUTHENTICATION		
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I certify under penalty of law that I have perso all attachments and that, based on my inquiry	nally examined and am lamiliar with the information of those industries immediately reconcible.	for obtaining the information. I believe
all attachments and that, based on my inquiry the submitted information is true, accurate,	and complete. I am sware that there are sit	mificant penalties for submitting false
information, including the possibility of fine	and imprisonment.	
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Certification by Executive Officer of	Duly Authorized Representative	
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Name (type or print)	Signature	
		
Title	Date	

Title

Name of Permittee:	Ortho Diagnostic Systems, Inc.		
Name of Facility:	Ortho Diagnostic Systems, Inc.		
Location:	Raritan, New Jersey		
_ 		·	
NJPDES-DGW Permit No.:	NJ0057894		
CERTIFICATION		•	-
Well Permit Number (as assigned by	NJDEP's		
Bureau of Water Allocation):		25-38111-3	
Owner's Well Number (as shown on	the application	•	
of plans):	·	MW-22	
Well Completion Date:		2/8/91	
Distance From Top of Casing (cap of	f) to ground		
surface (one-hundredth of a foot):		0. <u>26</u>	+
Total Depth of Well (one-hundredth	of a foot):	30.0	
Depth to Top of Open Hole From To	op of Casing		
(one-hundredth of a foot):		11.2	
Open Hole Length (feet):		18.5	
Screen or Slot Size:		NA	
Screen or Slot Material:		NA	
Casing Material: (PVC, Steel, or Otl	ner - Specify):	Stainless Steel	
Casing Diameter (inches):	·	6-inch	
Static Water Level From Top of Casi			
Installation (one-hundredth of a foo	t):	8.32	
Yield (gallons per minute):	. <u>.</u>		
Length of Time Well Pumped or Bai	led:		
Lithologic Log		Attached	
AUTHENTICATION			
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I certify under penalty of law that I have personall attachments and that, based on my inquiry	naity examined and am pamiliar with the intuition of those individuals immediately responsible fo	r obtaining the information. I believe	
the submitted information is true, accurate, a	nd complete. I am aware that there are sign	ificant penalties for submitting false	
information, including the possibility of fine a	nd imprisonment		
•		1/1/1/1/2010	
Richard Green	_ / um	-07	<u> </u>
Name (type or print)	Signature		
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Company		•	
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Certification by Executive Officer or	Duly Authorized Representative		
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N ()	<u> </u>		
Name (type or print)	Signature		
Title	Date		

Name of Permittee:	Ortho Diagnostic Systems, Inc.	
Name of Facility:	Ortho Diagnostic Systems, Inc.	
Location:	Raritan, New Jersey	
NJPDES-DGW Permit No.:	NJ0057894	<u> </u>
MJP DESPER WITCHER THE		
CERTIFICATION		
Well Permit Number (as assigned by	NJDEP's	
Bureau of Water Allocation):	•	25-38813-4
Owner's Well Number (as shown on t	he application	
of plans):		MW-23
Well Completion Date:	•	6/4/91
Distance From Top of Casing (cap of	f) to ground	
surface (one-hundredth of a foot):		0.59 (below grade)
Total Depth of Well (one-hundredth o	of a foot):	30.00
Depth to Top of Open Hole From To	p of Casing	
(one-hundredth of a foot):		12.41
Open Hole Length (feet):		17.00
Screen or Slot Size:		NA NA
Screen or Slot Material:		NA NA
Casing Material: (PVC, Steel, or Oth	er - Specify):	Stainless Steel
Casing Diameter (inches):	•	6-inch
Static Water Level From Top of Casin	ng at the Time of	
Installation (one-hundredth of a foo		15.12
Yield (gallons per minute):		
Length of Time Well Pumped or Bail	ed:	
Lithologic Log:		<u> Attached</u>
AUTHENTICATION I certify under penalty of law that I have person all attachments and that, based on my inquiry of the submitted information is true, accurate, as information, including the possibility of fine and	of those individuals immediately responsibe and complete. I am aware that there are	le for obtaining the information, I believe
Cyril N. Okoye Name (type or print)	Signatur	Ohoye_
Company		
GE 35299		
Certification or License No.		
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Certification by Executive Officer or	Duly Authorized Representative	
Name (type or print)	Signature	

Name of Permittee:	Ortho Diagnostic Systems, Inc.	<u>. </u>
Name of Facility:	Ortho Diagnostic Systems, Inc	·
Location:	Raritan, New Jersey	
	NJ0057894	-
NJPDES-DGW Permit No.:	1930037694	· · · · · · · · · · · · · · · · · · ·
CERTIFICATION		
Well Permit Number (as assigned by Bureau of Water Allocation):		25-38814-2
Owner's Well Number (as shown on	the application	MW-24
of plans):		6/4/91
Well Completion Date: Distance From Top of Casing (cap of	f) to ground	0/4/72
surface (one-hundredth of a foot):	i) to ground	0.53 (below grade)
Total Depth of Well (one-hundredth	of a foot):	80.00
Depth to Top of Open Hole From To	on of Casing	
(one-hundredth of a foot):	,	54.47
Open Hole Length (feet):		25.00
Screen or Slot Size:		NA
Screen or Slot Material:		NA
Casing Material: (PVC, Steel, or Oth	ner - Specify):	Stainless Steel
Casing Diameter (inches):	•	6-inch
Static Water Level From Top of Casi	ng at the Time of	
Installation (one-hundredth of a foo	t):	47.72
Yield (gallons per minute):		
Length of Time Well Pumped or Bail	led:	
Lithologic Log:		Attached
AUTHENTICATION		
I certify under penalty of law that I have person all attachments and that, based on my inquiry the submitted information is true, accurate, a information, including the possibility of fine an	of those individuals immediately responsed indicately responsed to the complete. I am aware that there are	ible for obtaining the information, I believe
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Certification by Executive Officer or	Duly Authorized Representative	
Nine (mmo or print)	Signature	· · · · · · · · · · · · · · · · · · ·
Name (type or print)	Signature	

Name of Permittee:	Ortho Diagnostic Systems, Inc.	
Name of Facility:	Ortho Diagnostic Systems, Inc.	
Location:	Raritan, New Jersey	·
NJPDES-DGW Permit No.:	NJ0057894	
NJPDES-DOW Perimit No.:	1130037027	
CERTIFICATION		
Well Permit Number (as assigned by I	NIDEP's	
Bureau of Water Allocation):		25-38815-1
Owner's Well Number (as shown on the	he application	
of plans):		MW-25
Well Completion Date:	<u> </u>	6/4/91
Distance From Top of Casing (cap off	to ground	
surface (one-hundredth of a foot):	_	0.61 (below grade)
Total Depth of Well (one-hundredth o	of a foot):	30.00
Depth to Top of Open Hole From To		
(one-hundredth of a foot):	_	11.39
Open Hole Length (feet):		18.00
Screen or Slot Size:		NA
Screen or Slot Material:		NA
Casing Material: (PVC, Steel, or Other	er - Specify):	Stainless Steel
Casing Diameter (inches):	· · · · · _	6-inch
Static Water Level From Top of Casin	ng at the Time of	
Installation (one-hundredth of a foot): 	11.65
Yield (gallons per minute):	<u> </u>	
Length of Time Well Pumped or Baile	ed:	<u></u>
Lithologic Log:	_	Attached
<u>AUTHENTICATION</u>		
I certify under penalty of law that I have personal attachments and that, based on my inquiry of the submitted information is true, accurate, an information, including the possibility of fine and	f those individuals immediately responsible id complete. I am aware that there are si	for obtaining the information, I believe
Cyril N. Okove Name (type or print)	Signature	Cyril N. Ohoye
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Certification by Executive Officer or I	Ouly Authorized Representative	
Name (type or print)	Signature	

Name of Permittee:	Ortho Diagnostic Systems, Inc.	<u> </u>
Name of Facility:	Ortho Diagnostic Systems, Inc.	
Location:	Raritan, New Jersey	
NJPDES-DGW Permit No.:	NJ0057894	•
NJI DES-DGW Telmic Ivo.	1.0003.07	
CERTIFICATION		
Well Permit Number (as assigned by	NJDEP's	•
Bureau of Water Allocation):		25-38816-9
Owner's Well Number (as shown on t	he application	
of plans):		MW-26
Well Completion Date:	_	6/3/91
Distance From Top of Casing (cap of	f) to ground	
surface (one-hundredth of a foot):	<u></u>	0.28 (below grade)
Total Depth of Well (one-hundredth o	-	80.00
Depth to Top of Open Hole From To	p of Casing	
(one-hundredth of a foot):		54.72
Open Hole Length (feet):		25.0
Screen or Slot Size:	 -	NA NA
Screen or Slot Material:		NA
Casing Material: (PVC, Steel, or Oth	er - Specity):	Stainless Steel
Casing Diameter (inches):		6-inch
Static Water Level From Top of Casin		<i>EE</i> 00
Installation (one-hundredth of a foot	- <u>-</u>	55.88
Yield (gallons per minute): Length of Time Well Pumped or Baile		· · · · · · · · · · · · · · · · · · ·
-	<u> </u>	Attached
Lithologic Log:		Attached
AUTHENTICATION		
	f those individuals immediately responsible for ad complete. I am aware that there are sign	ation submitted in this document and or obtaining the information, I believe
AUTHENTICATION I certify under penalty of law that I have personal attachments and that, based on my inquiry of the submitted information is true, accurate, and the submitted information is true, accurate, accurate, and the submitted information is true, accurate, and the submitted information is true, accurate, and the submitted information is true, accurate, and the submitted information is true, accurate, accura	f those individuals immediately responsible for ad complete. I am aware that there are sign	ation submitted in this document and or obtaining the information, I believe
AUTHENTICATION I certify under penalty of law that I have personal attachments and that, based on my inquiry of the submitted information is true, accurate, an information, including the possibility of fine an	f those individuals immediately responsible for ad complete. I am aware that there are sign	ation submitted in this document and or obtaining the information, I believe dificant penalties for submitting false
AUTHENTICATION I certify under penalty of law that I have personal attachments and that, based on my inquiry of the submitted information is true, accurate, an information, including the possibility of fine an Cyril N. Okove	f those individuals immediately responsible for discomplete. I am aware that there are sign dimprisonment.	ation submitted in this document and or obtaining the information, I believe
AUTHENTICATION I certify under penalty of law that I have personal attachments and that, based on my inquiry of the submitted information is true, accurate, an information, including the possibility of fine an	f those individuals immediately responsible for ad complete. I am aware that there are sign	ation submitted in this document and or obtaining the information, I believe dificant penalties for submitting false
AUTHENTICATION I certify under penalty of law that I have personal attachments and that, based on my inquiry of the submitted information is true, accurate, an information, including the possibility of fine an Cyril N. Okove	f those individuals immediately responsible for discomplete. I am aware that there are sign dimprisonment.	ation submitted in this document and or obtaining the information, I believe dificant penalties for submitting false
AUTHENTICATION I certify under penalty of law that I have personal attachments and that, based on my inquiry of the submitted information is true, accurate, an information, including the possibility of fine an Cyril N. Okove Name (type or print)	f those individuals immediately responsible for discomplete. I am aware that there are sign dimprisonment.	ation submitted in this document and or obtaining the information, I believe dificant penalties for submitting false
AUTHENTICATION I certify under penalty of law that I have personall attachments and that, based on my inquiry of the submitted information is true, accurate, an information, including the possibility of fine an Cyril N. Okove Name (type or print) Dames & Moore	f those individuals immediately responsible for discomplete. I am aware that there are sign dimprisonment.	ation submitted in this document and or obtaining the information, I believe dificant penalties for submitting false
AUTHENTICATION I certify under penalty of law that I have personal attachments and that, based on my inquiry of the submitted information is true, accurate, an information, including the possibility of fine an Cyril N. Okove Name (type or print)	f those individuals immediately responsible for discomplete. I am aware that there are sign dimprisonment.	ation submitted in this document and or obtaining the information, I believe dificant penalties for submitting false
AUTHENTICATION I certify under penalty of law that I have personall attachments and that, based on my inquiry of the submitted information is true, accurate, an information, including the possibility of fine an Cyril N. Okove Name (type or print) Dames & Moore	f those individuals immediately responsible for discomplete. I am aware that there are sign dimprisonment.	ation submitted in this document and or obtaining the information, I believe dificant penalties for submitting false
AUTHENTICATION I certify under penalty of law that I have personal attachments and that, based on my inquiry of the submitted information is true, accurate, an information, including the possibility of fine an Cyril N. Okove Name (type or print) Dames & Moore Company	f those individuals immediately responsible for discomplete. I am aware that there are sign dimprisonment.	ation submitted in this document and or obtaining the information, I believe dificant penalties for submitting false
AUTHENTICATION I certify under penalty of law that I have personal attachments and that, based on my inquiry of the submitted information is true, accurate, an information, including the possibility of fine an Cyril N. Okove Name (type or print) Dames & Moore Company G E 35299	f those individuals immediately responsible for discomplete. I am aware that there are sign dimprisonment.	ation submitted in this document and or obtaining the information, I believe hificant penalties for submitting false
AUTHENTICATION I certify under penalty of law that I have personal attachments and that, based on my inquiry of the submitted information is true, accurate, an information, including the possibility of fine an Cyril N. Okove Name (type or print) Dames & Moore Company G E 35299	f those individuals immediately responsible for all complete. I am aware that there are sign d imprisonment. Signature	ation submitted in this document and or obtaining the information. I believe hificant penalties for submitting false
AUTHENTICATION I certify under penalty of law that I have personal attachments and that, based on my inquiry of the submitted information is true, accurate, an information, including the possibility of fine and Cyril N. Okove Name (type or print) Dames & Moore Company GE 35299 Certification or License No.	f those individuals immediately responsible for a complete. I am aware that there are sign d imprisonment. Signature	ation submitted in this document and or obtaining the information. I believe hificant penalties for submitting false
AUTHENTICATION I certify under penalty of law that I have personal attachments and that, based on my inquiry of the submitted information is true, accurate, an information, including the possibility of fine an Cyril N. Okove Name (type or print) Dames & Moore Company G E 35299	f those individuals immediately responsible for a complete. I am aware that there are sign d imprisonment. Signature	ation submitted in this document and or obtaining the information. I believe hificant penalties for submitting false
AUTHENTICATION I certify under penalty of law that I have personal attachments and that, based on my inquiry of the submitted information is true, accurate, an information, including the possibility of fine and Cyril N. Okove Name (type or print) Dames & Moore Company GE 35299 Certification or License No.	f those individuals immediately responsible for a complete. I am aware that there are sign d imprisonment. Signature	ation submitted in this document and or obtaining the information. I believe hificant penalties for submitting false
AUTHENTICATION I certify under penalty of law that I have personall attachments and that, based on my inquiry of the submitted information is true, accurate, an information, including the possibility of fine and Cyril N. Okoye Name (type or print) Dames & Moore Company GE 35299 Certification or License No.	Sea Duly Authorized Representative	ation submitted in this document and or obtaining the information. I believe hificant penalties for submitting false
AUTHENTICATION I certify under penalty of law that I have personal attachments and that, based on my inquiry of the submitted information is true, accurate, an information, including the possibility of fine and Cyril N. Okove Name (type or print) Dames & Moore Company GE 35299 Certification or License No.	f those individuals immediately responsible for a complete. I am aware that there are sign d imprisonment. Signature	ation submitted in this document and or obtaining the information. I believe hificant penalties for submitting false

Name of Permittee:	Ottho Diagnostic Ofsteins, Inc.	
Name of Facility:	Ortho Diagnostic Systems, Inc.	
Location:	Raritan, New Jersey	
NJPDES-DGW Permit No.:	NJ0057894	
NJPDES-DGW FEILIR No	1130057024	
CERTIFICATION		
Well Permit Number (as assigned by I	NJDEP's	
Bureau of Water Allocation):	_	25-38817-7
Owner's Well Number (as shown on t	he application	
of plans):		MW-27
Well Completion Date:	<u> </u>	6/3/91
Distance From Top of Casing (cap off	t) to ground	0.50.0.1
surface (one-hundredth of a foot):	_	0.58 (below grade)
Total Depth of Well (one-hundredth o		30.00
Depth to Top of Open Hole From To	p of Casing	14.42
(one-hundredth of a foot):		14.42
Open Hole Length (feet):		15.00 NA
Screen or Slot Size:	-	NA NA
Screen or Slot Material:	- Specify):	Stainless Steel
Casing Material: (PVC, Steel, or Oth	er - Spechy).	6-inch
Casing Diameter (inches): Static Water Level From Top of Casin	ar at the Time of	O-men
Installation (one-hundredth of a foot	is at the time of	7.15
Yield (gallons per minute):		
Length of Time Well Pumped or Baile	ed:	
Lithologic Log:		Attached
AUTHENTICATION		
I certify under penalty of law that I have personall attachments and that, based on my inquiry of the submitted information is true, accurate, an information, including the possibility of fine and	f those individuals immediately responsible at complete. I am aware that there are s	for obtaining the information, I believe
Cyril N. Okoye Name (type or print)	Signature	I N. Ohoye
Dames & Moore Company		
GE 35299		
		
Certification or License No.	s	eal
Certification by Executive Officer or I	Duly Authorized Representative	
Name (type or print)	Signature	

Name of Permittee:	Ortho Diagnostic Systems, Inc.	
Name of Facility:	Ortho Diagnostic Systems, Inc.	
Location:	Raritan, New Jersey	
NJPDES-DGW Permit No.:	NJ0057894	
NJPDES-DGW Fermit No	1330057074	
CERTIFICATION		
Well Permit Number (as assigned by I	NIDEP's	•
Bureau of Water Allocation):		25-38873-8
Owner's Well Number (as shown on the	ne application	
of plans):		MW-28
Well Completion Date:	•	6/3/91
Distance From Top of Casing (cap off) to ground	
surface (one-hundredth of a foot):		0.72 (below grade)
Total Depth of Well (one-hundredth o	of a foot):	30.00
Depth to Top of Open Hole From To		
(one-hundredth of a foot):		15.78
Open Hole Length (feet):	•	13.50
Screen or Slot Size:		NA
Screen or Slot Material:		NA
Casing Material: (PVC, Steel, or Other	er - Specify):	Stainless Steel
Casing Diameter (inches):	•	6-inch
Static Water Level From Top of Casin	g at the Time of	
Installation (one-hundredth of a foot):	10.65
Yield (gallons per minute):	_	
Length of Time Well Pumped or Baile	:d:	
Lithologic Log:		Attached
AUTHENTICATION		
I certify under penalty of law that I have personall attachments and that, based on my inquiry of the submitted information is true, accurate, an information, including the possibility of fine an	f those individuals immediately responsible id complete. I am aware that there are significant	for obtaining the information, I believe gnificant penalties for submitting false
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Cyril N. Okove		you H. Choye
Name (type or print)	Signature	0
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Certification by Executive Officer or I	Duly Authorized Representative	· · · · · · · · · · · · · · · · · · ·
Name (type or print)	Signature	

Name of Permittee:	Ortho Diagnostic Systems, Inc.
Name of Facilities	Ortho Diagnostic Systems, Inc.
Name of Facility:	· ·
Location:	Raritan, New Jersey
NJPDES-DGW Permit No.:	NJ 0057894
CERTIFICATION	
Well Permit Number (as assigned by N	IJDEP's
Bureau of Water Allocation): Owner's Well Number (as shown on the	
	MW-28D
of plans): Well Completion Date:	10/22/91
Distance From Top of Casing (cap off)	
surface (one-hundredth of a foot):	
Total Depth of Well (one-hundredth of	
Depth to Top of Open Hole From Top	
(one-hundredth of a foot):	49.68
Open Hole Length (feet):	25.00
Screen or Slot Size:	Not Applicable
Screen or Slot Material:	Not Applicable
Casing Material: (PVC, Steel, or Other	er - Specify): Stainless Steel
Casing Diameter (inches):	6-inches
Static Water Level From Top of Casing	g at the Time of
Installation (one-hundredth of a foot)	
Yield (gallons per minute):	
Length of Time Well Pumped or Baile	d:
Lithologic Log:	Attached
all attachments and that, based on my inquiry of	Ily examined and am familiar with the information submitted in this document and those individuals immediately responsible for obtaining the information, I believe d complete. I am aware that there are significant penalties for submitting false imprisonment.
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Company	
GE 35299	
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Certification by Executive Officer or Duly Auth	norized Representative
Name (type or print)	Signature
Title	Date

Name of Permittee:	Ortho Diagnostic Sy	stems, inc.
or constitue	Ortho Diagnostic Sy	stems Inc
Name of Facility:	Raritan, New Jersey	
Location:		
NJPDES-DGW Permit No.:	NJ 0057894	
CERTIFICATION		
Well Permit Number (as assigned by I Bureau of Water Allocation):	NJDEP's	25-39888
Owner's Well Number (as shown on t	he application	
of plans):		MW-29
Well Completion Date:		10/23/91
Distance From Top of Casing (cap of	f) to ground	m 0.56
surface (one-hundredth of a foot):	5 5	<u> </u>
Total Depth of Well (one-hundredth of	ol a 100t):	
Depth to Top of Open Hole From To	op of Casing	14.44
(one-hundredth of a foot):		15.00
Open Hole Length (feet): Screen or Slot Size:		Not Applicable
Screen or Slot Material:		Not Applicable
Casing Material: (PVC, Steel, or Oth	er - Specify):	Stainless Steel
Casing Diameter (inches):		6-inches
Static Water Level From Top of Casin	ng at the Time of	•
Installation (one-hundredth of a foot):		15.42
Yield (gallons per minute):	•	
Length of Time Well Pumped or Bail	ed:	
Lithologic Log:		Attached
AUTHENTICATION		
I certify under penalty of law that I have person all attachments and that, based on my inquiry of the submitted information is true, accurate, a information, including the possibility of fine an	of those individuals immediately resp nd complete. I am aware that ther	consible for obtaining the information, I believe
Cyril N. Okoye	<u></u>	40 17. CHB12
Name (type or print)	Signature U	
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Dames & Moore	•	
Company		
GE 35299		
Certification or License No.		
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Certification by Executive Officer or Duly Au	thorized Representative	
Name (type or print)	Signature	
Title	Date	
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Name of Permittee:	Ortho Diagnostic Systems, Inc.	
Name of Facility:	Ortho Diagnostic Systems, Inc.	
Location:	Raritan, New Jersey	
NIPDES-DGW Permit No.:	NJ 0057894	•
NJPDES-DGW Permit No.:	143 (103)(6)4	
CERTIFICATION		
Well Permit Number (as assigned by N. Bureau of Water Allocation):	JDEP's 25-39889	
Owner's Well Number (as shown on the		
of plans):	MW-29D	
Well Completion Date:	10/24/91	
Distance From Top of Casing (cap off)	to ground	
surface (one-hundredth of a foot):	0.36	
Total Depth of Well (one-hundredth of	f a foot): 80.00	
Depth to Top of Open Hole From Top	of Casing	
(one-hundredth of a foot):	54.64	
Open Hole Length (feet):	25,00	
Screen or Slot Size:	Not Applicable	
Screen or Slot Material:	Not Applicable	
Casing Material: (PVC, Steel, or Othe	er - Specify): Stainless Steel	
Casing Diameter (inches):	6-inches	
Static Water Level From Top of Casing	g at the Time of	
Installation (one-hundredth of a foot)	59.12	
Yield (gallons per minute):		
Length of Time Well Pumped or Baile	d:	
Lithologic Log:	Attached	
<u>AUTHENTICATION</u>		
all attachments and that, based on my inquiry of	Illy examined and am familiar with the information submitted in this documents in the information of those individuals immediately responsible for obtaining the information, decomplete. I am aware that there are significant penalties for submitted imprisonment.	I belie
	Cyril N. Ohone	
Cyril N. Okoye		
Name (type or print)	Signature 9	
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Company		
GE 35299		
Certification or License No.		
	Seal	
Certification by Executive Officer or Duly Auth	norized Representative	
Name (type or print)	Signature	_
Title	Date	

Name of Permittee:	Ortho Diagnostic System	ns, Inc.
Name of Facility:	Ortho Diagnostic System	ns, Inc.
	Raritan, New Jersey	
Location:	NJ 0057894	
NJPDES-DGW Permit No.:	NJ 0037874	
CERTIFICATION		
Well Permit Number (as assigned by Bureau of Water Allocation):	NJDEP's	25-39890
Owner's Well Number (as shown on	the application	
of plans):	шо ирричины	MW-30
Well Completion Date:		10/25/91
Distance From Top of Casing (cap o	ff) to ground	•
surface (one-hundredth of a foot):	, , , , , , , , , , , , , , , , , , , ,	0.24
Total Depth of Well (one-hundredth	of a foot):	30.00
Depth to Top of Open Hole From T	op of Casing	
(one-hundredth of a foot):		11.26
Open Hole Length (feet):		18.50
Screen or Slot Size:		Not Applicable
Screen or Slot Material:		Not Applicable
Casing Material: (PVC, Steel, or Ot	ther - Specify):	Stainless Steel
Casing Diameter (inches):		6-inches
Static Water Level From Top of Cas	sing at the Time of	
Installation (one-hundredth of a fo		20.97
Yield (gallons per minute):		
Length of Time Well Pumped or Ba	iled:	
Lithologic Log:		Attached
<u>AUTHENTICATION</u>		
I certify under penalty of law that I have personall attachments and that, based on my inquiry the submitted information is true, accurate, information, including the possibility of fine	of those individuals immediately responsi- and complete. I am aware that there are and imprisonment.	DIE IOT OOTZINING THE INTOTHIBITION, I DEN
Cyril N. Okoye		c 11. Chare
Name (type or print)	Signature	•
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Certification or License No.		
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Certification by Executive Officer or Duly A	authorized Representative	
Name (type or print)	Signature	•
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Title	Date	

Name of Permittee:	Ortho Diagnostic Systems	s, Inc.
	Out a Diamentia Sustame	· Inc
Name of Facility:	Ortho Diagnostic Systems	o, Inc.
Location:	Raritan, New Jersey	
NJPDES-DGW Permit No.:	NJ 0057894	
CERTIFICATION		
Well Permit Number (as assigned by NJ Bureau of Water Allocation):	DEP's	25-39891
Owner's Well Number (as shown on the	application	
of plans):		MW-30D
Well Completion Date:	<u> </u>	10/25/91
Distance From Top of Casing (cap off)	to ground	0.00
surface (one-hundredth of a foot):		0.29
Total Depth of Well (one-hundredth of		80.00
Depth to Top of Open Hole From Top	of Casing	54.54
(one-hundredth of a foot):		54,71
Open Hole Length (feet):		25.00
Screen or Slot Size:		Not Applicable
Screen or Slot Material:	-	Not Applicable
Casing Material: (PVC, Steel, or Other	- Specity):	Stainless Steel
Casing Diameter (inches):		6-inches
Static Water Level From Top of Casing		5A 76
Installation (one-hundredth of a foot):	-	54.76
Yield (gallons per minute):	-	
Length of Time Well Pumped or Bailed	-	Attached
Lithologic Log:	_	Attached
<u>AUTHENTICATION</u>		
I certify under penalty of law that I have personall all attachments and that, based on my inquiry of t the submitted information is true, accurate, and information, including the possibility of fine and	hose individuals immediately responsible complete. I am aware that there are s	for obtaining the information, I believe
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Cyril N. Okoye		111 Chaye
Name (type or print)	Signature	
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GE 35299		
Certification or License No.		
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Certification by Executive Officer or Duly Author	orized Representative	
Name (type or print)	Signature	
Title	Date	

Name of Facility: Location: NJPDES-DGW Permit No.: CERTIFICATION Well Permit Number (as assigned by NJDEP's Bureau of Water Allocation): Ortho Diagnostic Systems, Inc. Raritan, New Jersey NJ 0057894 Survey NJ 0057894 25-39892	
Location: NJPDES-DGW Permit No.: NJ 0057894 CERTIFICATION Well Permit Number (as assigned by NJDEP's	
NJPDES-DGW Permit No.: NJ 0057894 CERTIFICATION Well Permit Number (as assigned by NJDEP's	
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Well Permit Number (as assigned by NJDEP's	.'
Well Permit Number (as assigned by NJDEP's	
Bureau of Waler Anocation).	
Owner's Well Number (as shown on the application	•
of plans):	
Well Completion Date: 10/23/91	
Distance From Top of Casing (cap off) to ground	
surface (one-hundredth of a foot):	•
Total Depth of Well (one-hundredth of a foot): 30.00	-
Depth to Top of Open Hole From Top of Casing	
(one-hundredth of a foot):	-
Open Hole Length (feet):	-
Screen or Slot Size: Not Applicable	-
Screen or Slot Material: Not Applicable	-
Casing Material: (PVC, Steel, or Other - Specify): Stainless Steel	
Casing Diameter (inches): 6-inches	-
Static Water Level From Top of Casing at the Time of	
Installation (one-hundredth of a foot): 26,20	-
Yield (gallons per minute):	-
Length of Time Well Pumped or Bailed:	-
Lithologic Log: Attached	-
AUTHENTICATION	
I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the contraction of t	eve
the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting f	ise
information, including the possibility of fine and imprisonment.	
Cyril N. Okoye Cyril N. Ohoge	
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APPENDIX S

Monitoring Well Certification Form B's

Monitoring Well Certification Form B's are not available for the following wells: MW-2, MW-8, MW-18, and MW-19.

		DIACNOST	ice				
Name of Owner:	ORTHO - CLINICAL						
Name of Facility:		ORTHO - CLINICAL DIAGNOSTICS					
Location:	Route 202, Raritan			. /			
UST Registration Number	er:		ase Number:				
LAND SURVEYOR'S CEI	RTIFICATION						
Well Permit Number: (This number must be permane	ently affixed to the well casing.)		25-30122-5				
Owners Well Number (A	s shown on application or	plans):	MW-1				
Geographic Coordinate	NAD 83 (to nearest 1/10 of	second):					
Longitude: West	74° 38' 56.4"	Latitude:	North	40° 34' 24.6"			
New Jersey State Plane	Coordinates NAD 83 to nea	arest 10 feet:					
North	633,890	<u> </u>	East	450,840			
Elevation of Top in Inne at reference mark (neare	er Casing (cap off) est 0.01'):			125.87			
Source of elevation date used, identify here, ass	um (benchmark, number/de ume datum of 100', and giv	escription an re approxima	d elevation/e ted actual el	datum. If an on-site datum is evation.)			
U.S. GEOD. SURVEY D-	26	101.04 NA	N/D 00				
J.J. GLOD. GORTET D	-20	101.04 147	4VD 00				
Significant observation	-	101.04 NA					
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WATER MONITORING WELL CERTIFICATION - FORM B - LOCATION CERTIFICATION

jame of Permittee: Name of Facility:

ORTHO DIAGNOSTIC SYSTEMS, INC. ORTHO DIAGNOSTIC SYSTEMS, INC.

Location:

ROUTE 202

NJPDES Number:

RARITAN, NJ

NJ or ISRA Case Number:

LAND SURVEYOR'S CERTIFICATION

Well Permit Number

25-30125-0

This number must be permanently affixed to the

well casing.

Longitude (to nearest second):

West

74-38-54.4

Latitude (to nearest second):

40-34-18.4

Elevation of Top of Inner Casing (cap off)

North

(one-hundredth of a foot):

118.334 Ft.

D-26

Source of elevation datum (benchmark, etc.) and elevation (If an alternate datum has been approved by the Department, identify here and give approximated elevation):

Source: US GEOD.SURVEY

NAVD88

Elevation: 101.04 Ft.

Owners Well Number (As shown on application or plans):

MW-3

Elevations are to be determined by double run, three wire leveling methods using balanced sights, commencing from a well marked and described point. This beginning point shall either be derived from Federal or State benchmarks if not more than 1000 feet from the site or, if the Department has approved an alternate datum, based on an assumed datum of 100. Tolerances should meet third order standards, which are 0.05 ft x (mile) 1/2. For sections less than 0.1 mile, let miles = 0.1.

AUTHENTICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for false information including the possibility of fine submitting imprisonment.

PROFESSIONAL LAND SURVEYOR'S SIGNATURE

Allan L. Sampson

SEAL

PROFESSIONAL LAND SURVEYOR'S NAME (Please print or type)

No. 29356

Name of Owner:	ORTHO - CLINICAL DIAGNOST	TICS							
Name of Facility:	e of Facility: ORTHO - CLINICAL DIAGNOSTICS								
Location: Route 202, Raritan New Jersey									
UST Registration Number:	UST C	ase Number:	<u> </u>						
LAND SURVEYOR'S CERTIF	ICATION								
Well Permit Number: (This number must be permanently a		25-30124-1							
Owners Well Number (As sho	own on application or plans):	MW-4							
	83 (to nearest 1/10 of second):								
· • •	1° 38′ 52.7″ Latitude:	North	40° 34' 18.4"						
	rdinates NAD 83 to nearest 10 feet:		-						
North 6	33,260	East	451,130						
Elevation of Top in Inner Cas at reference mark (nearest 0.	sing (cap off) 01'):		117.80						
Source of elevation datum (t	penchmark, number/description an	d elevation/da	tum. If an on-site datum is						
used, identity nere, assume	datum of 100', and give approxima	ited actual elev	ation.)						
U.S. GEOD. SURVEY D-26	datum of 100', and give approxima		ration.)						
• • •	101.04 N		ration.)						
U.S. GEOD. SURVEY D-26 Significant observations and	101.04 N	AVD 88							
U.S. GEOD. SURVEY D-26 Significant observations and AUTHENTICATION I certify under penalty of law submitted in this document immediately responsible for	that I have personally examined a and all attachments and that, base obtaining this information, I belie aware that there are significant personal stress of the stress of	AVD 88 and am familiar d on my inquive the submitt	r with the information ry of those individuals ed information is true,						
U.S. GEOD. SURVEY D-26 Significant observations and AUTHENTICATION I certify under penalty of law submitted in this document immediately responsible for accurate and complete. I am	that I have personally examined a and all attachments and that, base obtaining this information, I belie aware that there are significant period and imprisonment.	AVD 88 and am familiar d on my inquive the submitt	r with the information ry of those individuals ed information is true,						
U.S. GEOD. SURVEY D-26 Significant observations and AUTHENTICATION I certify under penalty of law submitted in this document immediately responsible for accurate and complete. I am including the possibility of the survey of	that I have personally examined a and all attachments and that, base obtaining this information, I belie aware that there are significant period and imprisonment.	AVD 88 and am familiar d on my inquive the submitt	r with the information ry of those individuals ed information is true,						
U.S. GEOD. SURVEY D-26 Significant observations and AUTHENTICATION I certify under penalty of law submitted in this document immediately responsible for accurate and complete. I am including the possibility of the survey of	that I have personally examined a and all attachments and that, base obtaining this information, I belie aware that there are significant period and imprisonment.	AVD 88 and am familiar d on my inquive the submitt	r with the information ry of those individuals ed information is true, omitting false information 2, 1999						
U.S. GEOD. SURVEY D-26 Significant observations and AUTHENTICATION I certify under penalty of law submitted in this document immediately responsible for accurate and complete. I am including the possibility of the survey of	that I have personally examined a and all attachments and that, base obtaining this information, I belief aware that there are significant period and imprisonment.	and am familia ed on my inqui ve the submittenalties for sul	r with the information ry of those individuals ed information is true, omitting false information						
Significant observations and AUTHENTICATION I certify under penalty of law submitted in this document immediately responsible for accurate and complete. I am including the possibility of the SEAL SEAL Thomas M. Walker, N.J. Lic.	that I have personally examined a and all attachments and that, base obtaining this information, I belief aware that there are significant period and imprisonment.	AVD 88 and am familiar d on my inquive the submitte enalties for sul	r with the information ry of those individuals ed information is true, omitting false information 2, 1999						

WATER MONITORING WELL CERTIFICATION - FORM B - LOCATION CERTIFICATION

nme of Permittee:

ORTHO DIAGNOSTIC SYSTEMS, INC. ORTHO DIAGNOSTIC SYSTEMS, INC.

Location:

ROUTE 202

NJPDES Number:

RARITAN, NJ
NJ or ISRA Case Number:

LAND SURVEYOR'S CERTIFICATION

Well Permit Number

25-33540-5

This number must be permanently affixed to the

well casing.

Longitude (to nearest second):

West <u>74-38-53.2</u>

Latitude (to nearest second):

North <u>40-34-19.7</u>

Elevation of Top of Inner Casing (cap off)

119.670 Ft.

(one-hundredth of a foot):

Source of elevation datum (benchmark, etc.) and elevation (If an alternate datum has been approved by the Department, identify here and give approximated elevation):

D-26
Source: US GEOD.SURVEY

NAVD88

Elevation: 101.04 Ft.

Owners Well Number (As shown on application or plans):

MW-5

Elevations are to be determined by double run, three wire leveling methods sing balanced sights, commencing from a well marked and described point. This beginning point shall either be derived from Federal or State benchmarks if not more than 1000 feet from the site or, if the Department has approved an alternate datum, based on an assumed datum of 100. Tolerances should meet third order standards, which are 0.05 ft x (mile) 1/2. For sections less than 0.1 mile, let miles = 0.1.

AUTHENTICATION

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PROFESSIONAL LAND SURVEYOR'S SIGNATURE

Allan L. Sampson

SEAL

PROFESSIONAL LAND SURVEYOR'S NAME (Please print or type)

No. 29356

WATER MONITORING WELL CERTIFICATION - FORM B - LOCATION CERTIFICATION

ame of Permittee:
Wame of Facility:

ORTHO DIAGNOSTIC SYSTEMS, INC. ORTHO DIAGNOSTIC SYSTEMS, INC.

Location:

ROUTE 202 RARITAN, NJ

NJPDES Number:

NJ or ISRA Case Number:

LAND SURVEYOR'S CERTIFICATION

Well Permit Number

<u>25-33541-3</u>

This number must be permanently affixed to the

well casing.

Longitude (to nearest second):

West <u>74-38-52.6</u>

Latitude (to nearest second):

North $\frac{713332.0}{40-34-19.0}$

Elevation of Top of Inner Casing (cap off)

--- ---

(one-hundredth of a foot):

<u>118.650 Ft.</u>

Source of elevation datum (benchmark, etc.) and elevation (If an alternate datum has been approved by the Department, identify here and give approximated elevation):

D-26
Source: US GEOD.SURVEY

NAVD88

Elevation: 101.04 Ft.

Owners Well Number (As shown on application or plans):

<u>MW-6</u>

Elevations are to be determined by double run, three wire leveling methods sing balanced sights, commencing from a well marked and described point. This beginning point shall either be derived from Federal or State benchmarks if not more than 1000 feet from the site or, if the Department has approved an alternate datum, based on an assumed datum of 100. Tolerances should meet third order standards, which are 0.05 ft x (mile) 1/2. For sections less than 0.1 mile, let miles = 0.1.

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PROFESSIONAL LAND SURVEYOR'S SIGNATURE

Allan L. Sampson

SEAL

PROFESSIONAL LAND SURVEYOR'S NAME
(Please print or type)

No. 29356

WATER MONITORING WELL CERTIFICATION - FORM B - LOCATION CERTIFICATION

ame of Permittee: vame of Facility: ORTHO DIAGNOSTIC SYSTEMS, INC. ORTHO DIAGNOSTIC SYSTEMS,

Location:

ROUTE 202 RARITAN, NJ

NJPDES Number:

NJ or ISRA Case Number:

LAND SURVEYOR'S CERTIFICATION

Well Permit Number

25-33542-1

This number must be permanently affixed to the

well casing.

Longitude (to nearest second):

West

74-38-53.0

Latitude (to nearest second):

North 40-34-18.4

Elevation of Top of Inner Casing (cap off) (one-hundredth of a foot):

117.794 Ft.

Source of elevation datum (benchmark, etc.)

and elevation (If an alternate datum has been approved by the Department, identify here and give approximated elevation):

D-26

Source: US GEOD.SURVEY

NAVD88

Elevation: 101.04 Ft.

Owners Well Number (As shown on application or plans):

MW - 7

Elevations are to be determined by double run, three wire leveling methods sing balanced sights, commencing from a well marked and described point. This beginning point shall either be derived from Federal or State benchmarks if not more than 1000 feet from the site or, if the Department has approved an alternate datum, based on an assumed datum of 100. Tolerances should meet third order standards, which are 0.05 ft x (mile) 1/2. For sections less than 0.1 mile, let miles = 0.1.

<u>AUTHENTICATION</u>

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PROFESSIONAL LAND SURVEYOR'S SIGNATURE

Allan L. Sampson

SEAL

PROFESSIONAL LAND SURVEYOR'S NAME

(Please print or type)

No. 29356

WATER MONITORING WELL CERTIFICATION - FORM B - LOCATION CERTIFICATION

Name of Permittee: Name of Facility:

ORTHO DIAGNOSTIC SYSTEMS, INC. ORTHO DIAGNOSTIC SYSTEMS, INC.

Location:

ROUTE 202 RARITAN, NJ

NJPDES Number:

NJ or ISRA Case Number:

LAND SURVEYOR'S CERTIFICATION

Well Permit Number

25-33544-8

This number must be permanently affixed to the

well casing.

Longitude (to nearest second):

West

74-38-54.4

Latitude (to nearest second):

North

40-34-18.5

Elevation of Top of Inner Casing (cap off) (one-hundredth of a foot):

120.017 Ft.

Source of elevation datum (benchmark, etc.) and elevation (If an alternate datum has been approved by the Department, identify here and give approximated elevation):

D-26 Source: US GEOD.SURVEY

NAVD88

Elevation: 101.04 Ft.

Owners Well Number (As shown on application or plans):

MW-9

Elevations are to be determined by double run, three wire leveling methods using balanced sights, commencing from a well marked and described point. This beginning point shall either be derived from Federal or State benchmarks if not more than 1000 feet from the site or, if the Department has approved an alternate datum, based on an assumed datum of 100. Tolerances should meet third order standards, which are 0.05 ft x (mile) 1/2. For sections less than 0.1 mile, let miles = 0.1.

AUTHENTICATION

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PROFESSIONAL LAND SURVEYOR'S SIGNATURE

Allan L. Sampson

SEAL

PROFESSIONAL LAND SURVEYOR'S NAME (Please print or type)

No. 29356

WATER MONITORING WELL CERTIFICATION - FORM B - LOCATION CERTIFICATION

ame of Permittee:

ORTHO DIAGNOSTIC SYSTEMS, INC.

Name of Facility:

ORTHO DIAGNOSTIC SYSTEMS, INC. ROUTE 202

Location:

RARITAN, NJ

NJPDES Number:

NJ or ISRA Case Number:

LAND SURVEYOR'S CERTIFICATION

Well Permit Number

25-36541-0

This number must be permanently affixed to the

well casing.

Longitude (to nearest second):

West

74-38-54.5

Latitude (to nearest second):

40-34-19.5

North

(one-hundredth of a foot):

Elevation of Top of Inner Casing (cap off)

118.775 Ft.

Source of elevation datum (benchmark, etc.) and elevation (If an alternate datum has been approved by the Department, identify

here and give approximated elevation):

D-26

Source: US GEOD.SURVEY

NAVD88

Elevation: 101.04 Ft.

Owners Well Number (As shown on application or plans):

MW-10

Elevations are to be determined by double run, three wire leveling methods sing balanced sights, commencing from a well marked and described point. This beginning point shall either be derived from Federal or State benchmarks if not more than 1000 feet from the site or, if the Department has approved an alternate datum, based on an assumed datum of 100. Tolerances should meet third order standards, which are 0.05 ft x (mile) 1/2. For sections less than 0.1 mile, let miles = 0.1.

AUTHENTICATION

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PROFESSIONAL LAND SURVEYOR'S SIGNATURE

Allan L. Sampson

SEAL

PROFESSIONAL LAND SURVEYOR'S NAME (Please print or type)

No. 29356

THIS FORM MUST BE COMPLETED BY THE PERMITTEE OR HIS/HER AGENT

GROUND WATER MONITORING WELL CERTIFICATION - FORM B LOCATION CERTIFICATION

Name of Permittee:	Ortho Diagnostics	
Name of Facility:	Ortho Diagnostics	<u> </u>
Location:		
NJDES Number:	Raritan, NJ	

LAND SURVEYOR'S CERTIFICATION

Well Permit Number (As assigned by NJDEP's Water Allocation Section, 609-984-6831)

This number must be permanently affixed to the well casing.

Longitude (one-tenth of a second):
Latitude (one-tenth of a second):
Elevation of Top of Casing (cap off)
(one-hundredths of a foot):
Owners Well Number (As shown on the application or plans):

	8 55.4
North 40 3	4 18 3
RIM 118.13 (Casing 117.78
MW-11	

SEAL

AUTHENTICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

PROFESSIONAL LAND SURVEYOR'S SIGNATURE

Richard C. Mathews

PROFESSIONAL LAND SURVEYOR'S NAME (Please print or type)

New Jersey License #29353

PROFESSIONAL LAND SURVEYOR'S LICENSE #

The Department reserves the right in cases of violation of permit specified ground water limits or Ground Water Quality Standards (N.J.A.C. 7:9-6.1 et seq.) to require that wells be resurveyed to an accuracy of one-hundredth of a second latitude and longitude. This shall not be considered to require a major modification of the NJPDES permit.

GROUND WATER MONITORING WELL CERTIFICATION - FORM A - AS-BUILT CERTIFICATION (One form must be completed for each well)

r's Well Number (As shown on the application plans): 1 Completion Date: 2 ance from Top of Casing (cap off) to ground face (one-hundredth of a foot): 30.0 4 to Top of Screen From Top of Casing e-tenth of a foot): 4 to Top of Screen From Top of casing e-tenth of a foot): 5 (open hole interval) 6 or Slot Size: 8 an Material: 1 ng Material: (FVC, Steel or Other-Specify): 1 ic Water Level From Top of Casing at The e-company of Casing at The e-	
number must be permanently affixed to the casing. T's Well Number (As shown on the application plans): 1 Completion Date: 1 Completion Date: 2 5 3 6 7/3/90 1 Completion Date: 1 Completion Date: 1 Completion Date: 2 5 3 6 7/3/90 1 Completion Date: 1 Completion Date: 2 5 3 6 1 MW-1 7/3/90 1 Application Date: 1 Completion Date: 2 5 3 6 1 MW-1 7/3/90 1 Completion Date: 1 Completion Date: 1 Completion Date: 2 5 3 6 1 MW-1 7/3/90 1 Completion Date: 2 5 3 6	téel
number must be permanently affixed to the casing. r's Well Number (As shown on the application plans): 1 Completion Date: ance from Top of Casing (cap off) to ground face (one-hundredth of a foot): 1 Depth of Well (one-tenth of a foot): 1 to Top of Screen From Top of Casing e-tenth of a foot): 2 5 3 6 MW-1 7/3/90 -0.50 30.0 10.6 10.6 10.6 19.4 20 or Slot Size: 20 material: 1	
r's Well Number (As shown on the application plans): 1 Completion Date: 2 5 3 6 7/3/90 1 Completion Date: 2 5 3 6 7/3/90 1 Completion Date: 2 5 3 6 7/3/90 1 Completion Date: 2 5 3 6 7/3/90 1 Completion Date: 2 5 3 6 1 Completion Date: 3 0.0 1 Completion Date: 3 0.0 1 Depth of Well (one-tenth of a foot): 2 5 3 6 1 Open Hole interval (one-tenth of a foot): 3 0.0 1 Depth of Screen From Top of Casing (open Hole) (open Hole interval) 2 5 3 6 1 Open Hole interval (open Hole) (open Hole) (open Hole interval) 3 0.0 1 0.6 2 5 3 6 1 0.5 3 0.0 3 0.0 3 0.0 3 0.0 3 0.0 3 0.0 3 0.0 3 0.0 3 0.0 3 0.0 3 0.0 5 0.5 5 0.5 6 0.5 6 0.5 6 0.5 7 0.5 8 0.5 8 0.5 8 0.6 8 0.6 8 0.7 8 0.6 8 0.7 8 0.6 8 0.7 9 0.7	
r's Well Number (As shown on the application plans): 1 Completion Date: ance from Top of Casing (cap off) to ground face (one-hundredth of a foot): 1 Depth of Well (one-tenth of a foot): 1 to Top of Screen From Top of Casing se-tenth of a foot): 2 5 3 6 MW-1 7/3/90 -0.50 30.0 10.6 10.6 10.6 10.6 10.6 10.7 10.6 10.6 10.6 10.6 10.6 10.7 10.6 1	
r's Well Number (As shown on the application plans): 1 Completion Date: 2 5 3 6 7/3/90 1 Completion Date: 2 5 0 0 1 Completion Date: 3 0 0 1 Completion Date: 4 1 Completion Date: 5 1 0 0 1 1 Completion Date: 6 2 5 0 0 1 1 Completion Date: 7/3/90 1 2 1 0 0 1 3 1 0 0 1 3 1 0 0 1 3 1 0 0 1 0 1 0 0 1 0 1 0 0 1 0 1 0 0 1 0 1 0	
number must be permanently affixed to the casing. T's Well Number (As shown on the application plans): 1 Completion Date: ance from Top of Casing (cap off) to ground face (one-hundredth of a foot): 1 Depth of Well (one-tenth of a foot): 1 to Top of Screen From Top of Casing setenth of a foot): 1 (to top of open hole) 2 5 3 6 7/3/90 30.0 10.6 10.6 10.6 19.4 NA	
r's Well Number (As shown on the application plans): 1 Completion Date: 2 5 3 6 7/3/90 1 Completion Date: 2 5 0 0 7/3/90 1 Completion Date: 30.0 1 Depth of Well (one-tenth of a foot): 1 to Top of Screen From Top of Casing 2 5 0 0 1 0.50 1 0.60 1 0.60 1 0.60 1 0.60 1 0.60 1 0.60	
r's Well Number (As shown on the application plans): 1 Completion Date: 2 5 3 6 7/3/90 1 Completion Date: 1 Completion Top of Casing (cap off) to ground face (one-hundredth of a foot): 1 Completion Date: 30.0	
r's Well Number (As shown on the application plans): Completion Date: 7/3/90 ance from Top of Casing (cap off) to ground face (one-hundredth of a foot): 30.0 the Top of Screen From Top of Casing (cap of Screen From Top of Casing (cap of Screen From Top of Casing (cap of Screen From Top of Casing (cap of Screen From Top of Casing (cap of Screen From Top of Casing (cap of Screen From Top of Casing (cap of Casing cap of Casing (cap of Casing cap of	
r's Well Number (As shown on the application plans): Completion Date: 7/3/90 I completion Date: 7/3/90 Completion Top of Casing (cap off) to ground face (one-hundredth of a foot): -0.50	
r's Well Number (As shown on the application plans): Completion Date: 7/3/90	
number must be permanently affixed to the casing. 2 5 3 6 r's Well Number (As shown on the application plans): 1 Completion Date: 7/3/90	
ncation Section (609-984-6831): number must be permanently affixed to the casing. 2 5 3 6 r's Well Number (As shown on the application plans):	
neation Section (609-984-6831): number must be permanently affixed to the casing. 2 5 3 6 Tr's Well Number (As shown on the application	
ncation Section (609-984-6831):	
ncation Section (609-984-6831):	5 4 3 -6
[] Permit Number (AB musigned by NJDEP's Water	
NEER'S CERTIFICATION	
TODO FERMINE NO.	
RARITAN, NJ 08869 NJ0057894	
US ROUTE 202 NORTH	
OKINO DIAGNOSTIC SYSTEMS TNC.	
of Permittee: _ORTHO DIAGNOSTIC SYSTEMS, INC	••

onsible for obtaining the information, I believe the submitted remation is true, accurate and complete. I am aware that there are hificant penalties for submitted false information including the

James T. Dete

jibility of fine and imprisonment.

JAMES T. DETTE

ofessional Engineer's Name (Please type or print)

9555

essional Engineer's License 4

SEAL

- THIS FORM MUST BE COMPLETED BY THE PERMITTEE OR HIS/HER AGENT

GROUND WATER MONITORING WELL CERTIFICATION - FORM B LOCATION CERTIFICATION

Name of Permittee:	Ortho Diagnostics
	Ortho Diagnostics
Location:	
	Raritan, NJ
MINES Number:	

LAND SURVEYOR'S CERTIFICATION

Longitude (one-tenth of a second):
Latitude (one-tenth of a second):
Elevation of Top of Casing (cap off)
(one-hundredths of a foot):
Owners Well Number (As shown on the
application or plans):

West_			55.3	
North	40	34	19.0	
RIM 1	18.8	2 C	asing	118.61
	MW-	-13		

<u>AUTHENTICATION</u>

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PROFESSIONAL LAND SURVEYOR'S SIGNATURE

Richard C. Mathews

SEAL

PROFESSIONAL LAND SURVEYOR'S NAME (Please print or type)

New Jersey License #29353

PROFESSIONAL LAND SURVEYOR'S LICENSE #

The Department reserves the right in cases of violation of permit specified ground water limits or Ground Water Quality Standards (N.J.A.C. 7:9-6.1 et seq.) to require that wells be resurveyed to an accuracy of one-hundredth of a second latitude and longitude. This shall not be considered to require a major modification of the NJPDES permit.

WATER MONITORING WELL CERTIFICATION - FORM B - LOCATION CERTIFICATION

ame of Permittee:

ORTHO DIAGNOSTIC SYSTEMS, INC. ORTHO DIAGNOSTIC SYSTEMS, INC.

Location:

ROUTE 202 RARITAN, NJ

NJPDES Number:

NJ or ISRA Case Number:

LAND SURVEYOR'S CERTIFICATION

Well Permit Number

25-36545-2

This number must be permanently affixed to the

well casing.

Longitude (to nearest second):

West <u>74-39-00.4</u>

Latitude (to nearest second):

North 40-34-16.6

Elevation of Top of Inner Casing (cap off) (one-hundredth of a foot):

111.899 Ft.

(one-nundredth of a root):

D-26

Source of elevation datum (benchmark, etc.) and elevation (If an alternate datum has been approved by the Department, identify here and give approximated elevation):

Source: US GEOD.SURVEY

NAVD88

Elevation: 101.04 Ft.

Owners Well Number (As shown on application or plans):

MW-14

Elevations are to be determined by double run, three wire leveling methods using balanced sights, commencing from a well marked and described point. This beginning point shall either be derived from Federal or State benchmarks if not more than 1000 feet from the site or, if the Department has approved an alternate datum, based on an assumed datum of 100. Tolerances should meet third order standards, which are 0.05 ft x (mile) 1/2. For sections less than 0.1 mile, let miles = 0.1.

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PROFESSIONAL LAND SURVEYOR'S SIGNATURE

Allan L. Sampson

SEAL

PROFESSIONAL LAND SURVEYOR'S NAME (Please print or type)

No. 29356
PROFESSIONAL LAND SURVEYOR'S LICENSE

WATER MONITORING WELL CERTIFICATION - FORM B - LOCATION CERTIFICATION

Name of Permittee: Name of Facility:

ORTHO DIAGNOSTIC SYSTEMS, INC. ORTHO DIAGNOSTIC SYSTEMS, INC.

Location:

ROUTE 202 RARITAN, NJ

NJPDES Number:

NJ or ISRA Case Number:

LAND SURVEYOR'S CERTIFICATION

Well Permit Number

25-36941-5:

This number must be permanently affixed to the

well casing.

Longitude (to nearest second):

West 74-39-10.1 North

Latitude (to nearest second):

40-34-14.7

Elevation of Top of Inner Casing (cap off) (one-hundredth of a foot):

101.864 Ft.

Source of elevation datum (benchmark, etc.) and elevation (If an alternate datum has been approved by the Department, identify here and give approximated elevation):

D-26 Source: US GEOD.SURVEY

NAVD88

Elevation: 101.04 Ft.

Owners Well Number (As shown on application or plans):

MW-15

Elevations are to be determined by double run, three wire leveling methods using balanced sights, commencing from a well marked and described point. This beginning point shall either be derived from Federal or State benchmarks if not more than 1000 feet from the site or, if the Department has approved an alternate datum, based on an assumed datum of 100. Tolerances should meet third order standards, which are 0.05 ft x (mile) 1/2. For sections less than 0.1 mile, let miles = 0.1.

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PROFESSIONAL LAND SURVEYOR'S SIGNATURE

Allan L. Sampson

SEAL

PROFESSIONAL LAND SURVEYOR'S NAME (Please print or type)

No. 29356

WATER MONITORING WELL CERTIFICATION - FORM B - LOCATION CERTIFICATION

Name of Permittee: Name of Facility: ORTHO DIAGNOSTIC SYSTEMS, INC. ORTHO DIAGNOSTIC SYSTEMS, INC.

Location:

ROUTE 202 RARITAN, NJ

NJPDES Number:

NJ____ or ISRA Case Number:

LAND SURVEYOR'S CERTIFICATION

Well Permit Number

25-36546-

This number must be permanently affixed to the

well casing.

Longitude (to nearest second):

West $\frac{74-39-11.4}{40-34-15.7}$

Latitude (to nearest second):
Elevation of Top of Inner Casing (cap off)

North 40-34

(one-hundredth of a foot):

103.534 Ft.

Source of elevation datum (benchmark, etc.) and elevation (If an alternate datum has been approved by the Department, identify here and give approximated elevation):

D-26
Source: US GEOD.SURVEY

NAVD88

Elevation: 101.04 Ft.

Owners Well Number (As shown on application or plans):

MW-16

Elevations are to be determined by double run, three wire leveling methods using balanced sights, commencing from a well marked and described point. This beginning point shall either be derived from Federal or State benchmarks if not more than 1000 feet from the site or, if the Department has approved an alternate datum, based on an assumed datum of 100. Tolerances should meet third order standards, which are 0.05 ft x (mile) 1/2. For sections less than 0.1 mile, let miles = 0.1.

AUTHENTICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

PROFESSIONAL LAND SURVEYOR'S SIGNATURE

Allan L. Sampson

SEAL

PROFESSIONAL LAND SURVEYOR'S NAME (Please print or type)

No. 29356
PROFESSIONAL LAND SURVEYOR'S LICENSE

WATER MONITORING WELL CERTIFICATION - FORM B - LOCATION CERTIFICATION

Name of Permittee: Name of Facility:

ORTHO DIAGNOSTIC SYSTEMS, INC. ORTHO DIAGNOSTIC SYSTEMS, INC.

Location:

ROUTE 202 RARITAN, NJ

NJPDES Number:

NJ

LAND SURVEYOR'S CERTIFICATION

or ISRA Case Number:

Well Permit Number

<u>25-36547-9</u>

This number must be permanently affixed to the

well casing.

Longitude (to nearest second):

West <u>74-39-12.4</u>

North 40-34-17.6

Latitude (to nearest second):

Elevation of Top of Inner Casing (cap off) (one-hundredth of a foot):

106.869 Ft.

Source of elevation datum (benchmark, etc.) and elevation (If an alternate datum has been approved by the Department, identify

D-26 Source: <u>US GEOD.SURVEY</u>

NAVD88

here and give approximated elevation):

Elevation: 101.04 Ft.

Owners Well Number (As shown on application or plans):

MW-17

Elevations are to be determined by double run, three wire leveling methods using balanced sights, commencing from a well marked and described point. This beginning point shall either be derived from Federal or State benchmarks if not more than 1000 feet from the site or, if the Department has approved an alternate datum, based on an assumed datum of 100. Tolerances should meet third order standards, which are 0.05 ft x (mile) 1/2. For sections less than 0.1 mile, let miles = 0.1.

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PROFESSIONAL LAND SURVEYOR'S SIGNATURE

Allan L. Sampson

SEAL

PROFESSIONAL LAND SURVEYOR'S NAME (Please print or type)

No. 29356

WATER MONITORING WELL CERTIFICATION - FORM B - LOCATION CERTIFICATION

Jame of Permittee:
Aame of Facility:

ORTHO DIAGNOSTIC SYSTEMS, INC. ORTHO DIAGNOSTIC SYSTEMS, INC.

Location:

ROUTE 202 RARITAN, NJ

NJPDES Number:

NJ RARITAN, N

or ISRA Case Number:

LAND SURVEYOR'S CERTIFICATION

Well Permit Number

25-38109-1

This number must be permanently affixed to the

well casing.

Longitude (to nearest second): Latitude (to nearest second):

West 74-39-01.1North 40-34-17.6

Elevation of Top of Inner Casing (cap off)

113.728 Ft.

(one-hundredth of a foot):

D-26

Source of elevation datum (benchmark, etc.) and elevation (If an alternate datum has been approved by the Department, identify here and give approximated elevation):

Source: US GEOD.SURVEY
NAVD88

Elevation: 101.04 Ft.

Owners Well Number (As shown on application or plans):

MW - 20

Elevations are to be determined by double run, three wire leveling methods using balanced sights, commencing from a well marked and described point. This beginning point shall either be derived from Federal or State benchmarks if not more than 1000 feet from the site or, if the Department has approved an alternate datum, based on an assumed datum of 100. Tolerances should meet third order standards, which are 0.05 ft x (mile) 1/2. For sections less than 0.1 mile, let miles = 0.1.

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Allan L. Sampson

SEAL

PROFESSIONAL LAND SURVEYOR'S NAME
(Please print or type)

No. 29356

WATER MONITORING WELL CERTIFICATION - FORM B - LOCATION CERTIFICATION

Yame of Permittee: Name of Facility:

ORTHO DIAGNOSTIC SYSTEMS, INC. ORTHO DIAGNOSTIC SYSTEMS,

Location:

ROUTE 202 RARITAN, NJ

NJPDES Number:

NJ

LAND SURVEYOR'S CERTIFICATION

or ISRA Case Number:

Well Permit Number

25-38110-5

This number must be permanently affixed to the

well casing.

Longitude (to nearest second):

74-39-01.0 West

Latitude (to nearest second):

40-34-15.7 North

Elevation of Top of Inner Casing (cap off) (one-hundredth of a foot):

110.217 Ft.

Source of elevation datum (benchmark, etc.) and elevation (If an alternate datum has been approved by the Department, identify here and give approximated elevation):

D-26

Source: US GEOD.SURVEY

NAVD88

Elevation: 101.04 Ft.

Owners Well Number (As shown on application or plans):

MW-21

Elevations are to be determined by double run, three wire leveling methods using balanced sights, commencing from a well marked and described point. his beginning point shall either be derived from Federal or State benchmarks if not more than 1000 feet from the site or, if the Department has approved an alternate datum, based on an assumed datum of 100. Tolerances should meet third order standards, which are 0.05 ft x (mile) 1/2. For sections less than 0.1 mile, let miles = 0.1.

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Allan L. Sampson

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PROFESSIONAL LAND SURVEYOR'S NAME (Please print or type)

No. 29356

WATER MONITORING WELL CERTIFICATION - FORM B - LOCATION CERTIFICATION

Name of Permittee: Name of Facility:

ORTHO DIAGNOSTIC SYSTEMS, INC. ORTHO DIAGNOSTIC SYSTEMS, INC.

Location:

ROUTE 202 RARITAN, NJ

NJPDES Number:

NJ RARITAN, N

or ISRA Case Number:

LAND SURVEYOR'S CERTIFICATION

Well Permit Number

25-38111-3

This number must be permanently affixed to the

well casing.

Longitude (to nearest second):

West 74-39-11.9

Latitude (to nearest second):

North 40-34-15.3

Elevation of Top of Inner Casing (cap off) (one-hundredth of a foot):

102.331 Ft.

Source of elevation datum (benchmark, etc.) and elevation (If an alternate datum has been approved by the Department, identify here and give approximated elevation):

D-26
Source: US GEOD.SURVEY

NAVD88

Elevation: 101.04 Ft.

Owners Well Number (As shown on application or plans):

MW-22

Elevations are to be determined by double run, three wire leveling methods using balanced sights, commencing from a well marked and described point. This beginning point shall either be derived from Federal or State benchmarks if not more than 1000 feet from the site or, if the Department has approved an alternate datum, based on an assumed datum of 100. Tolerances should meet third order standards, which are 0.05 ft x (mile) 1/2. For sections less than 0.1 mile, let miles = 0.1.

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Allan L. Sampson

SEAL

PROFESSIONAL LAND SURVEYOR'S NAME (Please print or type)

No. 29356

WATER MONITORING WELL CERTIFICATION - FORM B - LOCATION CERTIFICATION

Name of Permittee: Name of Facility:

ORTHO DIAGNOSTIC SYSTEMS, INC. ORTHO DIAGNOSTIC SYSTEMS,

Location:

ROUTE 202 RARITAN, NJ

NJPDES Number:

NJ

or ISRA Case Number:

LAND SURVEYOR'S CERTIFICATION

Well Permit Number

25-38813-4

This number must be permanently affixed to the

well casing.

Longitude (to nearest second):

West 74-39-10.4

Latitude (to nearest second):

North 40-34-16.6

Elevation of Top of Inner Casing (cap off) (one-hundredth of a foot):

106.167 Ft.

Source of elevation datum (benchmark, etc.) and elevation (If an alternate datum has been approved by the Department, identify here and give approximated elevation):

D-26 Source: US GEOD.SURVEY NAVD88

Elevation: 101.04 Ft.

Owners Well Number (As shown on application or plans):

MW-23

Elevations are to be determined by double run, three wire leveling methods using balanced sights, commencing from a well marked and described point. This beginning point shall either be derived from Federal or State benchmarks if not more than 1000 feet from the site or, if the Department has approved an alternate datum, based on an assumed datum of 100. Tolerances should meet third order standards, which are 0.05 ft x (mile) 1/2. For sections less than 0.1 mile, let miles = 0.1.

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PROFESSIONAL LAND SYRVEYOR'S SIGNATURE

Allan L. Sampson

SEAL

PROFESSIONAL LAND SURVEYOR'S NAME (Please print or type)

No. 29356

WATER MONITORING WELL CERTIFICATION - FORM B - LOCATION CERTIFICATION

ame of Permittee: Name of Facility:

ORTHO DIAGNOSTIC SYSTEMS, INC. ORTHO DIAGNOSTIC SYSTEMS, INC.

Location:

ROUTE 202 RARITAN, NJ

NJPDES Number:

NJ or ISRA Case Number:

LAND SURVEYOR'S CERTIFICATION

Well Permit Number

25-38814-2

This number must be permanently affixed to the

well casing.

Longitude (to nearest second):

West 74-39-11.5

Latitude (to nearest second):

40-34-15.2 North

Elevation of Top of Inner Casing (cap off)

(one-hundredth of a foot):

102.504 Ft.

Source of elevation datum (benchmark, etc.) and elevation (If an alternate datum has been approved by the Department, identify here and give approximated elevation):

D-26 Source: US GEOD.SURVEY

NAVD88

Elevation: 101.04 Ft.

Owners Well Number (As shown on application or plans):

MW-24

Elevations are to be determined by double run, three wire leveling methods sing balanced sights, commencing from a well marked and described point. \hat{x} his beginning point shall either be derived from Federal or State benchmarks if not more than 1000 feet from the site or, if the Department has approved an alternate datum, based on an assumed datum of 100. Tolerances should meet third order standards, which are 0.05 ft x (mile) 1/2. For sections less than 0.1 mile, let miles = 0.1.

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Allan L. Sampson

SEAL

PROFESSIONAL LAND SURVEYOR'S NAME (Please print or type)

29356

WATER MONITORING WELL CERTIFICATION - FORM B - LOCATION CERTIFICATION

Name of Permittee: Name of Facility:

ORTHO DIAGNOSTIC SYSTEMS, INC. ORTHO DIAGNOSTIC SYSTEMS, INC.

Location:

ROUTE 202 RARITAN, NJ

NJPDES Number:

NJ____ or ISRA Case Number:

LAND SURVEYOR'S CERTIFICATION

Well Permit Number

25-38815-1

This number must be permanently affixed to the

well casing.

Longitude (to nearest second):

West 74-39-11.4

Latitude (to nearest second): Elevation of Top of Inner Casing (cap off)

North <u>40-34-14.4</u>

(one-hundredth of a foot):

100.297 Ft.

Source of elevation datum (benchmark, etc.) and elevation (If an alternate datum has been approved by the Department, identify here and give approximated elevation):

D-26
Source: US GEOD.SURVEY

NAVD88

Elevation: 101.04 Ft.

Owners Well Number (As shown on application or plans):

<u>MW-25</u>

Elevations are to be determined by double run, three wire leveling methods using balanced sights, commencing from a well marked and described point. This beginning point shall either be derived from Federal or State benchmarks if not more than 1000 feet from the site or, if the Department has approved an alternate datum, based on an assumed datum of 100. Tolerances should meet third order standards, which are 0.05 ft x (mile) 1/2. For sections less than 0.1 mile, let miles = 0.1.

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Allan L. Sampson

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PROFESSIONAL LAND SURVEYOR'S NAME (Please print or type)

No. 29356

WATER MONITORING WELL CERTIFICATION - FORM B - LOCATION CERTIFICATION

Jame of Permittee: Name of Facility:

ORTHO DIAGNOSTIC SYSTEMS, INC.

ORTHO DIAGNOSTIC SYSTEMS, INC.

ROUTE 202 Location:

RARITAN, NJ

NJPDES Number:

ŊJ

or ISRA Case Number:

LAND SURVEYOR'S CERTIFICATION

Well Permit Number

25-38816-9

This number must be permanently affixed to the

well casing.

Longitude (to nearest second):

West

74-39-01.0

Latitude (to nearest second):

North

40-34-15.8

Elevation of Top of Inner Casing (cap off) (one-hundredth of a foot):

110.389 Ft.

Source of elevation datum (benchmark, etc.) and elevation (If an alternate datum has been approved by the Department, identify here and give approximated elevation):

D-26

Source: US GEOD.SURVEY

NAVD88 Elevation: 101.04 Ft.

Owners Well Number (As shown on application or plans):

MW-26

Elevations are to be determined by double run, three wire leveling methods using balanced sights, commencing from a well marked and described point. This beginning point shall either be derived from Federal or State benchmarks if not more than 1000 feet from the site or, if the Department has approved an alternate datum, based on an assumed datum of 100. Tolerances should meet third order standards, which are 0.05 ft x (mile) 1/2. For sections less than 0.1 mile, let miles = 0.1.

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Allan L. Sampson

SEAL

PROFESSIONAL LAND SURVEYOR'S NAME (Please print or type)

No. 29356

WATER MONITORING WELL CERTIFICATION - FORM B - LOCATION CERTIFICATION

ame of Permittee: Name of Facility:

ORTHO DIAGNOSTIC SYSTEMS, INC. ORTHO DIAGNOSTIC SYSTEMS, INC.

Location:

ROUTE 202

NJPDES Number:

RARITAN, NJ

NJ or ISRA Case Number:

LAND SURVEYOR'S CERTIFICATION

Well Permit Number

25-38817-7

This number must be permanently affixed to the

well casing.

Longitude (to nearest second):

West

74-38-59.7

Latitude (to nearest second):

North

40-34-16.0

Elevation of Top of Inner Casing (cap off)

(one-hundredth of a foot):

111.637 Ft.

Source of elevation datum (benchmark, etc.) and elevation (If an alternate datum has been approved by the Department, identify here and give approximated elevation):

D-26

Source: US GEOD.SURVEY

NAVD88

Elevation: 101.04 Ft.

Owners Well Number (As shown on application or plans):

MW-27

Elevations are to be determined by double run, three wire leveling methods ising balanced sights, commencing from a well marked and described point. This beginning point shall either be derived from Federal or State benchmarks if not more than 1000 feet from the site or, if the Department has approved an alternate datum, based on an assumed datum of 100. Tolerances should meet third order standards, which are 0.05 ft x (mile) 1/2. For sections less than 0.1 mile, let miles = 0.1.

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Allan L. Sampson

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PROFESSIONAL LAND SURVEYOR'S NAME (Please print or type)

No. 29356

WATER MONITORING WELL CERTIFICATION - FORM B - LOCATION CERTIFICATION

ame of Permittee: Name of Facility:

ORTHO DIAGNOSTIC SYSTEMS, INC. ORTHO DIAGNOSTIC SYSTEMS, INC.

Location:

ROUTE 202

RARITAN, NJ

NJPDES Number:

ŊJ

or ISRA Case Number:

LAND SURVEYOR'S CERTIFICATION

Well Permit Number

25-38873-8

This number must be permanently affixed to the

well casing.

Longitude (to nearest second):

West

74-39-01.4

Latitude (to nearest second):

North

40-34-14.4

Elevation of Top of Inner Casing (cap off)

(one-hundredth of a foot):

105.251 Ft.

Source of elevation datum (benchmark, etc.)

D-26

and elevation (If an alternate datum has been approved by the Department, identify here and give approximated elevation):

Source: <u>US GEOD.SURVEY</u>

NAVD88

Elevation: 101.04 Ft.

Owners Well Number (As shown on application or plans):

MW-28

Elevations are to be determined by double run, three wire leveling methods sing balanced sights, commencing from a well marked and described point. This beginning point shall either be derived from Federal or State benchmarks if not more than 1000 feet from the site or, if the Department has approved an alternate datum, based on an assumed datum of 100. Tolerances should meet third order standards, which are 0.05 ft x (mile) 1/2. For sections less than 0.1 mile, let miles = 0.1.

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PROFESSIONAL LAND SYRVEYOR'S SIGNATURE

Allan L. Sampson

SEAL

PROFESSIONAL LAND SURVEYOR'S NAME (Please print or type)

No. 29356

WATER MONITORING WELL CERTIFICATION - FORM B - LOCATION CERTIFICATION

Jame of Permittee: Name of Facility:

ORTHO DIAGNOSTIC SYSTEMS, INC. ORTHO DIAGNOSTIC SYSTEMS, INC.

Location:

ROUTE 202 RARITAN, NJ

NJPDES Number:

or ISRA Case Number:

NJ LAND SURVEYOR'S CERTIFICATION

Well Permit Number

25-39887-

This number must be permanently affixed to the

well casing.

Longitude (to nearest second):

West <u>74-39-01.5</u>

Latitude (to nearest second):

40-34-14.4 North

Elevation of Top of Inner Casing (cap off)

(one-hundredth of a foot):

105.574 Ft.

Source of elevation datum (benchmark, etc.) and elevation (If an alternate datum has been approved by the Department, identify here and give approximated elevation):

D-26 Source: US GEOD. SURVEY

NAVD88

Elevation: 101.04 Ft.

Owners Well Number (As shown on application or plans):

MW-28D

Elevations are to be determined by double run, three wire leveling methods using balanced sights, commencing from a well marked and described point. This beginning point shall either be derived from Federal or State benchmarks if not more than 1000 feet from the site or, if the Department has approved an alternate datum, based on an assumed datum of 100. Tolerances should meet third order standards, which are 0.05 ft x (mile) 1/2. For sections less than 0.1 mile, let miles = 0.1.

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Allan L. Sampson

SEAL

PROFESSIONAL LAND SURVEYOR'S NAME (Please print or type)

No. 29356

WATER MONITORING WELL CERTIFICATION - FORM B - LOCATION CERTIFICATION

ame of Permittee:

ORTHO DIAGNOSTIC SYSTEMS, INC. ORTHO DIAGNOSTIC SYSTEMS, INC.

Location:

ROUTE 202 RARITAN, NJ

NJPDES Number:

NJ or ISRA Case Number:

LAND SURVEYOR'S CERTIFICATION

Well Permit Number

25-39888

This number must be permanently affixed to the

well casing.

Longitude (to nearest second):

West 74-38-57.1

Latitude (to nearest second):

North 40-34-14.6

Elevation of Top of Inner Casing (cap off) (one-hundredth of a foot):

112.447 Ft.

Source of elevation datum (benchmark, etc.) and elevation (If an alternate datum has

<u>D-26</u>

been approved by the Department, identify here and give approximated elevation):

Source: US GEOD.SURVEY
NAVD88

Elevation: 101.04 Ft.

Owners Well Number (As shown on application or plans):

MW-29

Elevations are to be determined by double run, three wire leveling methods signing balanced sights, commencing from a well marked and described point. This beginning point shall either be derived from Federal or State benchmarks if not more than 1000 feet from the site or, if the Department has approved an alternate datum, based on an assumed datum of 100. Tolerances should meet third order standards, which are 0.05 ft x (mile) 1/2. For sections less than 0.1 mile, let miles = 0.1.

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Allan L. Sampson

SEAL

PROFESSIONAL LAND SURVEYOR'S NAME (Please print or type)

No. 29356

WATER MONITORING WELL CERTIFICATION - FORM B - LOCATION CERTIFICATION

)ame of Permittee: Name of Facility:

ORTHO DIAGNOSTIC SYSTEMS, INC. ORTHO DIAGNOSTIC SYSTEMS, INC.

Location:

ROUTE 202 RARITAN, NJ

NJPDES Number:

NJ c

or ISRA Case Number:

LAND SURVEYOR'S CERTIFICATION

Well Permit Number

25-39889

This number must be permanently affixed to the

well casing.

Longitude (to nearest second):

West

40-34-14.6

Latitude (to nearest second):

North

74-38-57.2

Elevation of Top of Inner Casing (cap off) (one-hundredth of a foot):

112.592 Ft.

Source of elevation datum (benchmark, etc.) and elevation (If an alternate datum has been approved by the Department, identify

here and give approximated elevation):

D-26

Source: US GEOD.SURVEY

NAVD88

Elevation: 101.04 Ft.

Owners Well Number (As shown on application or plans):

MW-29D

Flevations are to be determined by double run, three wire leveling methods sing balanced sights, commencing from a well marked and described point. This beginning point shall either be derived from Federal or State benchmarks if not more than 1000 feet from the site or, if the Department has approved an alternate datum, based on an assumed datum of 100. Tolerances should meet third order standards, which are 0.05 ft x (mile) 1/2. For sections less than 0.1 mile, let miles = 0.1.

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Allan L. Sampson

SEAL

PROFESSIONAL LAND SURVEYOR'S NAME (Please print or type)

No. 29356

WATER MONITORING WELL CERTIFICATION - FORM B - LOCATION CERTIFICATION

ame of Permittee:

ORTHO DIAGNOSTIC SYSTEMS, INC.

Name of Facility:

ORTHO DIAGNOSTIC SYSTEMS, INC.

Location:

ROUTE 202 RARITAN, NJ

NJPDES Number:

NJ____ or ISRA Case Number:

LAND SURVEYOR'S CERTIFICATION

Well Permit Number

25-39890-

This number must be permanently affixed to the

well casing.

Longitude (to nearest second):

West <u>74-39-05.5</u>

Latitude (to nearest second):

North 40-34-14.3

Elevation of Top of Inner Casing (cap off) (one-hundredth of a foot):

f)

106.506 Ft.

Source of elevation datum (benchmark, etc.) and elevation (If an alternate datum has been approved by the Department, identify

<u>D-26</u>

Source: <u>US_GEOD.SURVEY</u>

been approved by the Department, identify here and give approximated elevation):

NAVD88 Elevation: 101.04 Ft.

Owners Well Number (As shown on application or plans):

MW - 30

Elevations are to be determined by double run, three wire leveling methods sing balanced sights, commencing from a well marked and described point. This beginning point shall either be derived from Federal or State benchmarks if not more than 1000 feet from the site or, if the Department has approved an alternate datum, based on an assumed datum of 100. Tolerances should meet third order standards, which are 0.05 ft x (mile) 1/2. For sections less than 0.1 mile, let miles = 0.1.

AUTHENTICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

PROFESSIONAL LAND SURVEYOR'S SIGNATURE

Allan L. Sampson

SEAL

PROFESSIONAL LAND SURVEYOR'S NAME
(Please print or type)

No. 29356

WATER MONITORING WELL CERTIFICATION - FORM B - LOCATION CERTIFICATION

Jame of Permittee: Name of Facility:

ORTHO DIAGNOSTIC SYSTEMS, INC. ORTHO DIAGNOSTIC SYSTEMS, INC.

Location:

ROUTE 202 RARITAN, NJ

NJPDES Number:

NJ ____ or ISRA Case Number:

LAND SURVEYOR'S CERTIFICATION

Well Permit Number

25-39891-

This number must be permanently affixed to the

well casing.

Longitude (to nearest second):

West

74-39-05.6

Latitude (to nearest second):

North 40-34-14.3

Elevation of Top of Inner Casing (cap off)

106.394 Ft.

(one-hundredth of a foot):

Source of elevation datum (benchmark, etc.) and elevation (If an alternate datum has been approved by the Department, identify

D-26 Source: US GEOD. SURVEY

NAVD88

here and give approximated elevation):

Elevation: 101.04 Ft.

Owners Well Number (As shown on application or plans):

MW-30D

Elevations are to be determined by double run, three wire leveling methods using balanced sights, commencing from a well marked and described point. This beginning point shall either be derived from Federal or State benchmarks if not more than 1000 feet from the site or, if the Department has approved an alternate datum, based on an assumed datum of 100. Tolerances should meet third order standards, which are 0.05 ft x (mile) 1/2. For sections less than 0.1 mile, let miles = 0.1.

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PROFESSIONAL LAND SURVEYOR'S SIGNATURE

Allan L. Sampson

SEAL

PROFESSIONAL LAND SURVEYOR'S NAME (Please print or type)

No. 29356

WATER MONITORING WELL CERTIFICATION - FORM B - LOCATION CERTIFICATION

Jame of Permittee: Name of Facility: ORTHO DIAGNOSTIC SYSTEMS, INC. ORTHO DIAGNOSTIC SYSTEMS, INC.

Location:

ROUTE 202 RARITAN, NJ

NJPDES Number:

NJ or ISRA Case Number:

LAND SURVEYOR'S CERTIFICATION

Well Permit Number

25-39892-

This number must be permanently affixed to the

well casing.

Longitude (to nearest second):

West <u>74-38-52.1</u>

Latitude (to nearest second):

North 40-34-16.1

Elevation of Top of Inner Casing (cap off) (one-hundredth of a foot):

<u>111.597 Ft.</u>

Source of elevation datum (benchmark, etc.) and elevation (If an alternate datum has been approved by the Department, identify

D-26
Source: US GEOD.SURVEY

NAVD88

here and give approximated elevation):

Elevation: 101.04 Ft.

Owners Well Number (As shown on application or plans):

MW-31

Elevations are to be determined by double run, three wire leveling methods using balanced sights, commencing from a well marked and described point. This beginning point shall either be derived from Federal or State benchmarks if not more than 1000 feet from the site or, if the Department has approved an alternate datum, based on an assumed datum of 100. Tolerances should meet third order standards, which are 0.05 ft x (mile) 1/2. For sections less than 0.1 mile, let miles = 0.1.

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PROFESSIONAL LAND SURVEYOR'S SIGNATURE

Allan L. Sampson

SEAL

PROFESSIONAL LAND SURVEYOR'S NAME (Please print or type)

No. 29356
PROFESSIONAL LAND SURVEYOR'S LICENSE

MONITORING WELL CE	RTIFICATION FORM B - I	OCATION C	ERTIFICATION					
Name of Owner:	ORTHO - CLINICAL DIAGNOSTICS							
Name of Facility:	ORTHO - CLINICAL DIAGNOSTICS							
Location:	Route 202, Raritan New Jers	Route 202, Raritan New Jersey						
UST Registration Number:	UST	UST Case Number:						
LAND SURVEYOR'S CERTIF	FICATION							
Well Permit Number: (This number must be permanently	affixed to the well casing.)	25-54673						
Owners Well Number (As sh	nown on application or plans):	MW-32						
	0 83 (to nearest 1/10 of second							
Longitude: West 74°	² 39' 11.1" Latitude	: North	40° 34' 15.9"					
New Jersey State Plane Coo	ordinates NAD 83 to nearest 10	feet:	•					
North 633	3,020	East	449,710					
Elevation of Top in Inner Ca at reference mark (nearest 0	nsing (cap off) 0.01'):		104.09					
Source of elevation datum (datum is used, identify here	benchmark, number/descripti e, assume datum of 100', and g	on and elevatio jive approximat	n/datum. If an on-site ed actual elevation.)					
U.S. GEOD. SURVEY D-26	101.04	NAVD 88						
Significant observations an	d notes:		·					
AUTHENTICATION		· · · · · · · · · · · · · · · · · · ·						
information submitted in the those individuals immediate information is true, accurate	w that I have personally exami is document and all attachme ely responsible for obtaining to and complete. I am aware the including the possibility of the control of the possibility of	nts and that, ba this information at there are sig	ised on my inquiry of i, I believe the submitted nificant penalties for					
SEAL								
	N							
PROFESSIONAL LAND SUF	OVEVOD'S SIGNATURE	No	ovember 18, 1999 DATE					
Thomas M. Walker, N.J. Lic								
PROFESSIONAL LAND SUF (Please print or type)	RVEYOR'S NAME AND LICENS	SE NUMBER						
904-B Merritt Drive, Somerv PROFESSIONAL LAND SUF	rille, N.J. 08876 RVEYOR'S ADDRESS AND PH	ONE NUMBER						

WATER MONITORING WELL CERTIFICATION - FORM B - LOCATION CERTIFICATION

Name of Permittee: Name of Facility:

ORTHO DIAGNOSTIC SYSTEMS, INC. ORTHO DIAGNOSTIC SYSTEMS,

Location:

ROUTE 202 RARITAN, NJ

NJPDES Number:

NJ

or ISRA Case Number:

LAND SURVEYOR'S CERTIFICATION

Well Permit Number

This number must be permanently affixed to the

well casing.

Longitude (to nearest second):

Latitude (to nearest second): Elevation of Top of Inner Casing (cap off)

(one-hundredth of a foot):

West 74-38-54.6 40-34-20.4 North

118.739 Ft.

Source of elevation datum (benchmark, etc.) and elevation (If an alternate datum has been approved by the Department, identify here and give approximated elevation):

D-26

Source: US GEOD.SURVEY

NAVD88

Elevation: 101.04 Ft.

Owners Well Number (As shown on application or plans):

MW-33

Elevations are to be determined by double run, three wire leveling methods using balanced sights, commencing from a well marked and described point. This beginning point shall either be derived from Federal or State benchmarks if not more than 1000 feet from the site or, if the Department has approved an alternate datum, based on an assumed datum of 100. Tolerances should meet third order standards, which are 0.05 ft x (mile) 1/2. For sections less than 0.1 mile, let miles = 0.1.

AUTHENTICATION

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PROFESSIONAL LAND SURVEYOR'S SIGNATURE

Allan L. Sampson

SEAL

PROFESSIONAL LAND SURVEYOR'S NAME (Please print or type)

No. 29356

MONITORING WELL CE	RIFICATION FOR	IVI B - LOCATION	CENTIFICATION
Name of Owner:	ORTHO - CLINICAL	DIAGNOSTICS	
Name of Facility:	ORTHO - CLINICAL	DIAGNOSTICS	
Location:	Route 202, Raritan N	lew Jersey	
UST Registration Number:		_ UST Case Number	er:
LAND SURVEYOR'S CERTIF	FICATION .		;
Well Permit Number:		25-54674	
(This number must be permanently	affixed to the well casing.)		
Owners Well Number (As st	nown on application o	r plans): <u>MW-34D</u>	·
Geographic Coordinate NAI			
	° 38' 59.3"		40° 34' 14.9"
New Jersey State Plane Cod	ordinates NAD 83 to ne	earest 10 feet:	t
-	2,920	East	450,620
Elevation of Top in Inner Ca at reference mark (nearest (asing (cap off)		111.17
Source of elevation datum datum is used, identify here	(benchmark, number/c e, assume datum of 10	lescription and elevents and give approxi	ation/datum. If an on-site mated actual elevation.)
U.S. GEOD. SURVEY D-26		101.04 NAVD 88	
Significant observations ar	nd notes:		
AUTHENTICATION			
I certify under penalty of la information submitted in the those individuals immediate information is true, accurate submitting false information	nis document and all a tely responsible for ob te and complete. I am	ittachments and that taining this informa aware that there are	tion, I believe the submitted significant penalties for
SEAL			
	. *		
	10	Novemb	er 18, 1999
PROFESSIONAL LAND SU	RVEYOR'S SIGNATUR		DATE
Thomas M. Walker, N.J. Lie	c. No. 27489		
PROFESSIONAL LAND SU (Please print or type)	RVEYOR'S NAME ANI	D LICENSE NUMBER	₹
904-B Merritt Drive, Somer PROFESSIONAL LAND SU	ville, N.J. 08876 RVEYOR'S ADDRESS	AND PHONE NUME	BER

MONITORING WELL CERTIFICATION FORM B - LOCATION CERTIFICATION ORTHO - CLINICAL DIAGNOSTICS Name of Owner: **ORTHO - CLINICAL DIAGNOSTICS** Name of Facility: Route 202, Raritan New Jersey Location: **UST Case Number: UST Registration Number:** LAND SURVEYOR'S CERTIFICATION 25-52838 Well Permit Number: (This number must be permanently affixed to the well casing.) Owners Well Number (As shown on application or plans): MW-35 Geographic Coordinate NAD 83 (to nearest 1/10 of second): 40° 34' 17.2" Latitude: North Longitude: West 74° 39' 00.0" New Jersey State Plane Coordinates NAD 83 to nearest 10 feet: 450,570 East North 633,140 111.46 **Elevation of Top in Inner Casing (cap off)** at reference mark (nearest 0.01'): Source of elevation datum (benchmark, number/description and elevation/datum. If an on-site datum is used, identify here, assume datum of 100', and give approximated actual elevation.) 101.04 NAVD 88 U.S. GEOD. SURVEY D-26 Significant observations and notes: **AUTHENTICATION** I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining this information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment. SEAL **November 18, 1999** DATE 'EYOR'S SIGNATURE Thomas M. Walker, N.J. Lic. No. 27489 PROFESSIONAL LAND SURVEYOR'S NAME AND LICENSE NUMBER (Please print or type) 904-B Merritt Drive, Somerville, N.J. 08876

PROFESSIONAL LAND SURVEYOR'S ADDRESS AND PHONE NUMBER

MONITORING WELL CE	ERTIFICATION FORM B - I	LOCATION C	ERTIFICATION
Name of Owner:	ORTHO - CLINICAL DIAGNO	STICS	
Name of Facility:	ORTHO - CLINICAL DIAGNO	STICS	
Location:	Route 202, Raritan New Jers	sey	
UST Registration Number:	UST	Case Number:	
LAND SURVEYOR'S CERTIF	FICATION		
Well Permit Number: (This number must be permanently	affixed to the well casing.)	25-52839	
Owners Well Number (As sh	nown on application or plans):	MW-36	
Geographic Coordinate NAI	D 83 (to nearest 1/10 of second	l):	
Longitude: West 74	° 38' 59.2" Latitude	e: North	40° 34' 18.5"
New Jersey State Plane Coc	ordinates NAD 83 to nearest 10	feet:	
North 63	3,280	East	450,630
Elevation of Top in Inner Ca at reference mark (nearest 0			115.95
Source of elevation datum (datum is used, identify here	(benchmark, number/descripti e, assume datum of 100', and g	on and elevatio jive approximat	n/datum. If an on-site ted actual elevation.)
U.S. GEOD. SURVEY D-26	101.04	NAVD 88	
Significant observations an	d notes:		
AUTHENTICATION	that I have managedly aversi	ned and am fan	niliar with the
information submitted in the those individuals immediate information is true, accurate	w that I have personally examinis document and all attachme rely responsible for obtaining the and complete. I am aware the including the possibility of the possibility of the possibility of the possibility of the possibility.	nts and that, ba his informatior at there are sig	ased on my inquiry of n, I believe the submitted nificant penalties for
SEAL			
		-	
	1	November 4	9 4000
PROFESSIONAL LAND SUF	RVEYOR'S SIGNATURE	November 1	DATE
Thomas M. Walker, N.J. Lic			
PROFESSIONAL LAND SUF (Please print or type)	RVEYOR'S NAME AND LICENS	SE NUMBER	
904-B Merritt Drive, Somery PROFESSIONAL LAND SUF	ville, N.J. 08876 RVEYOR'S ADDRESS AND PH	ONE NUMBER	

MONITORING WELL CERTIFICATION FORM B - LOCATION CERTIFICATION **ORTHO - CLINICAL DIAGNOSTICS** Name of Owner: Name of Facility: ORTHO - CLINICAL DIAGNOSTICS Route 202, Raritan New Jersey Location: **UST Case Number: UST Registration Number:** LAND SURVEYOR'S CERTIFICATION 25-54675 **Well Permit Number:** (This number must be permanently affixed to the well casing.) Owners Well Number (As shown on application or plans): MW-37 Geographic Coordinate NAD 83 (to nearest 1/10 of second): Longitude: West 74° 38' 59.2" Latitude: North 40° 34' 17.9" New Jersey State Plane Coordinates NAD 83 to nearest 10 feet: North 633,220 450,630 Elevation of Top in Inner Casing (cap off) 114.69 at reference mark (nearest 0.01'): Source of elevation datum (benchmark, number/description and elevation/datum. If an on-site datum is used, identify here, assume datum of 100', and give approximated actual elevation.) U.S. GEOD. SURVEY D-26 101.04 NAVD 88 Significant observations and notes: **AUTHENTICATION** I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining this information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment. November 18, 1999 PROFESSIONAL LAND SURVEYOR'S SIGNATURE DATE Thomas M. Walker, N.J. Lic. No. 27489 PROFESSIONAL LAND SURVEYOR'S NAME AND LICENSE NUMBER (Please print or type)

904-B Merritt Drive, Somerville, N.J. 08876

PROFESSIONAL LAND SURVEYOR'S ADDRESS AND PHONE NUMBER

THIS FORM MUST BE COMPLETED BY THE PERMITTEE AND/OR SURVEYOR

WATER MONITORING WELL CERTIFICATION - FORM B - LOCATION CERTIFICATION

Name of Permittee: Name of Facility:

ORTHO DIAGNOSTIC SYSTEMS, INC. ORTHO DIAGNOSTIC SYSTEMS, INC.

Location:

ROUTE 202 RARITAN, NJ

NJPDES Number:

NJ

or ISRA Case Number:

LAND SURVEYOR'S CERTIFICATION

Well Permit Number

25-40519

This number must be permanently affixed to the

well casing.

Longitude (to nearest second):

West North

74-39-02.4 40 - 34 - 17.4

Latitude (to nearest second): Elevation of Top of Inner Casing (cap off) (one-hundredth of a foot):

111.512 Ft.

Source of elevation datum (benchmark, etc.)

D-26

and elevation (If an alternate datum has been approved by the Department, identify here and give approximated elevation):

Source: US GEOD.SURVEY NAVD88

Elevation: 101.04 Ft.

Owners Well Number (As shown on application or plans):

MW-MT

Elevations are to be determined by double run, three wire leveling methods using balanced sights, commencing from a well marked and described point. This beginning point shall either be derived from Federal or State benchmarks if not more than 1000 feet from the site or, if the Department has approved an alternate datum, based on an assumed datum of 100. Tolerances should meet third order standards, which are 0.05 ft x (mile) 1/2. For sections less than 0.1 mile, let miles = 0.1.

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PROFESSIONAL LAND SURVEYOR'S SIGNATURE

Allan L. Sampson

SEAL

PROFESSIONAL LAND SURVEYOR'S NAME (Please print or type)

29356

PROFESSIONAL LAND SURVEYOR'S LICENSE

THIS FORM MUST BE COMPLETED BY THE PERMITTEE AND/OR SURVEYOR

WATER MONITORING WELL CERTIFICATION - FORM B - LOCATION CERTIFICATION

Jame of Permittee:
Name of Facility:

ORTHO DIAGNOSTIC SYSTEMS, INC. ORTHO DIAGNOSTIC SYSTEMS, INC.

Location:

ROUTE 202

NJPDES Number:

RARITAN, NJ
NJ or ISRA Case Number:

LAND SURVEYOR'S CERTIFICATION

Well Permit Number

25-36540-

This number must be permanently affixed to the

well casing.

Longitude (to nearest second):

West <u>74-39-11.2</u>

Latitude (to nearest second):

North $\frac{40-34-15.6}{}$

Elevation of Top of Inner Casing (cap off) (one-hundredth of a foot):

103.501 Ft.

(one nanareden of a root).

<u>D-26</u>

Source of elevation datum (benchmark, etc.) and elevation (If an alternate datum has been approved by the Department, identify

Source: US GEOD.SURVEY

NAVD88

here and give approximated elevation):

Elevation: 101.04 Ft.

Owners Well Number (As shown on application or plans):

PZ-1

Elevations are to be determined by double run, three wire leveling methods ising balanced sights, commencing from a well marked and described point. This beginning point shall either be derived from Federal or State benchmarks if not more than 1000 feet from the site or, if the Department has approved an alternate datum, based on an assumed datum of 100. Tolerances should meet third order standards, which are 0.05 ft x (mile) 1/2. For sections less than 0.1 mile, let miles = 0.1.

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PROFESSIONAL LAND SURVEYOR'S SIGNATURE

Allan L. Sampson

SEAL

PROFESSIONAL LAND SURVEYOR'S NAME (Please print or type)

No. 2935<u>6</u>

PROFESSIONAL LAND SURVEYOR'S LICENSE

MONITORING WELL CERTIFICATION-FORM B-LO	ITTEE OR HIS/HER AGENT CATION CERTIFICATION
Name of Permittee: Ortho Diagnostic System Name of Facility: Ortho Diagnostic System Location: Route 202, Raritan, NJ NJPDES Number:	
LAND SURVEYOR'S CERTIFICATION	
Well Permit Number (as assigned by NJDEP's Bureau of Water Allocation: This number must be permanently affixed to the well casing.	2 5 3 7 9 9 7
Longitude (one-half of a second): Latitude (one-half of a second): Elevation of Top of Inner Casing (cap off) (one-hundredth of a foot): Source of elevation datum (benchmark,	West 74 39 11.0 North 40 34 15.5 RIM 104.85 PVC 104.61
etc.) If an alternate datum has been approved by the Department, identify here and give approximated elevation:	MW-11
Approximate Elevation:	Casing 117.78
Owners Well Number (As shown on	P-2
application or plan):	F-2
AUTHENTICATION I certify under penalty of law that I land am familiar with the information su	have personally examin
AUTHENTICATION I certify under penalty of law that T is	have personally examinated in this document in the information, accurate and complete the comple
AUTHENTICATION I certify under penalty of law that I land am familiar with the information su and all attachments and that, based on moviduals immediately responsible for obtained in the submitted information is true I am aware that there are significant processes information including the possibility.	have personally examinated in this document in the information, accurate and complete the comple
AUTHENTICATION I certify under penalty of law that I and am familiar with the information su and all attachments and that, based on moviduals immediately responsible for obtable believe the submitted information is true I am aware that there are significant processes information including the possibiliment. Machine	have personally examinabilitied in this document in the document of those indication, in accurate and completo penalties for submitticity of fine and impriso
AUTHENTICATION I certify under penalty of law that I had am familiar with the information sure and all attachments and that, based on moviduals immediately responsible for obtated information is true I am aware that there are significant processed information including the possibility ment. PROFESSIONAL LAND SURVEYOR'S SIGNATURE Richard C. Mathews PROFESSIONAL LAND SURVEYOR'S NAME	have personally examin bmitted in this docume by inquiry of those ind ining the information, e, accurate and complet

APPENDIX T

Well Abandonment Reports



July 12, 1996

Mr. Richard Benner Ortho Diagnostic Systems, Inc. 1001 Route 202 North Raritan, New Jersey 08869

Re:

Documentation of Well Abandonment for Monitoring Wells MW-11, MW-12, MW-13

and Piezometer PZ-1

Dear Mr. Benner:

As per your request, attached please find a copy of the approval letter dated April 15, 1996 from the Environmental Protection Agency granting Ortho Diagnostic Systems, Inc. (Ortho) permission for abandonment of the above mentioned monitoring wells and piezometer. The wells and piezometer were abandoned on April 22, 1996 by the Summit Drilling Co., Inc. of Bridgewater, New Jersey. The well abandonment reports which have been submitted to the New Jersey Department of Environmental Protection, Bureau of Water Allocation are also included.

If you have any questions or require additional information, please contact us at (908) 647-8111.

Sincerely yours,

Patrick T. Hunnewell

Assistant Engineer

Richard P. LoCastro, P.G.

Richard P. Jolantes

Supervising Geoscientist

cc: R. Rosen, Ortho

M. Cicalese, McLaren/Hart

C. Elmendorf, McLaren/Hart

g:\ortholeg\wellaba.dbn



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY - REGION II

290 BROADWAY

NEW YORK, NEW YORK 10007-1866

APR | 5 | 1996

Robin Rosen Environmental Engineer Ortho Diagnostic Systems, Inc. Route 202 Raritan, New Jersey 08869

Re: Request for Abandonment of Monitoring Wells, dated March 20, 1996, for the Raritan, NJ facility, EPA ID NJD068715424

Dear Ms. Rosen:

The U.S. Environmental Protection Agency (EPA) Region II has reviewed Ortho Diagnostic Systems (Ortho's) March 20, 1996 request for abandonment of monitoring wells MW-11, MW-12, MW-13 and PZ-2; which was prepared by McLaren Hart.

EPA acknowledges that the planned expansion to Building D would encompass the area around monitoring wells MW-11, MW-12, MW-13 and piezometer PZ-1, and the need to abandon these wells. Since these wells had been monitoring underground storage tanks that were certified closed by the New Jersey Department of Environmental Protection (NJDEP), we do not object if you abandon these wells. However, Ortho should be aware that because the Groundwater Characterization portion of the RFI Workplan has not yet been completed it may be necessary to replace some or all of these wells in the future, as necessary, to complete the Groundwater Characterization portion of the RFI.

Please note that any wells to be abandoned must be done in strict accordance with the NJDEP requirements and documentation of the abandonment must be submitted to EPA and NJDEP.

Please contact Henry Schuver, of my staff, at (212) 637-3908 if you have any questions regarding this matter.

Sincerely yours,

Andrew Bellina, P.E.

Chief, Hazardous Waste Facilities Branch

cc: Steve Kehayes, NJDEP

L*WR-020 5/95

New Jersey Department of Environmental Protection Water Supply Element — Bureau of Water Allocation

MAIL TO:	Bureau of Water Allocation CN 426			WELL PERMIT #	of well sealed
	Trenton, NJ 08625-0426		DATE	WELL SEALED	<i>3</i>
PROPERTY	OWNER Cotton Di	egneste			
ADDRESS	3001 1/t. 202 /	Water to		<u> </u>	ـــــــــــــــــــــــــــــــــــــ
WELL LOCA	TION	1 1917 1 1918 ntv	Little Co	50,000	-56F
	PZ-2 031		<u> </u>		
	Well No. Lot & Block				
	L PRIOR TO ABANDONMENT;	Prezion	no frage		
REASON FO	R ABANDONMENT:	10 1150	£		
WAS A NEW	WELL DRILLED? YES	PE NO PE	RMIT # OF NEW WEL	.L:	
TOTAL DEPT DIAMETER CASING LEN SCREEN LEN NUMBER OF	(GTH <u></u>	Cross-section of sealed well	Draw a sketch showinearest roads, build	ings, etc.	tions of well site to
MATERIAL L	SED TO SEAL WELL: Gallons of Water Lbs. of Cement Lbs. of Bentonite Lbs. of Sand/Gravel (none if well is contaminated)	2000000 QU	+ 15co'	Bldg	
FORMATION	Hassassides	5 = 7		P2-2	∱n
To permit admust be rem	equate grouting, the casing shoved. Pressure grouting is the	ould remain in place only accepted met	e, but ungrouted line	er pipes or any oth	ner obstructions
WAS CASING	LEFT IN PLACE? PYES	NO CASING	MATERIAL:	<u> </u>	
WERE OTHE	R OBSTRUCTIONS LEFT IN WELL?	YES 2-NO	WHAT WERE THE	OBSTRUCTIONS:	MINE
IF "YES", AU1	THORIZATION GRANTED BY	(A) ID PO A(I	ON	·	
certify that	this well was sealed in accorda	(NJDEP Offi	<u>*</u>	(Date)	
Name of NJ	Grahamer Shi	21.5	e de la companya de l	Minate M	ailing Date
		Signature of N Performing W	U Certified Well Seale ork	ir Lic	cense #
C	OPIES: White - Water Allocation	Yellow - Owner	Diak - Lloath	Done Calden	and Outles

5/95

New Jersey Department of Environmental Protection Water Supply Element — Bureau of Water Allocation

HAIL TO:	Bureau of Water Allocation	WELL PER	IMIT # 25-36506
	Trenton, NJ 08625-0426		
PROPERTY	OWNER OF THE	Mostre Systems	
ADDRESS_	3001 Ct. 720. 11	A. Are From 18 S.	15969
WELL LOCA	TION Spine 111	inter Knie In	100 = 1 5 FF
	Well No. Lot & Block No.		
	İ		
USE OF WE	LL PRIOR TO ABANDONMENT:	Christon into	
	1	· V	
WAS A NEW			
DIAMETER CASING LEN CREEN LEI NUMBER OF MATERIAL I	GTH GTH GTH GTH GSTH GSTH GSTH GSTH GSTH	nearest roads, buildings, etc.	
To permit a must be ren	dequate grouting, the casing shouk noved. Pressure grouting is the on	I remain in place, but ungrouted liner pipes or a ly accepted method.	ny other obstructions
		YES (A) WHAT WERE THE OBSTRUCTION	ONS: /VONE
CN 426 Trenton, NJ 08625-0426 PROPERTY OWNER PROPERTY OWNER Street & No., Township, County Well LOCATION Street & No., Township, County Well No. Lot & Block No. USE OF WELL PRIOR TO ABANDONMENT: WAS A NEW WELL DRILLED? TOTAL DEPTH OF WELL DIAMETER CASING LENGTH CASING LENGTH CASING LENGTH CASING LENGTH CASING LENGTH Lib. of Cement Lib. of Cement Lib. of Cement Lib. of Cement Lib. of Sand/Gravel (none if well is contaminated) FORMATION: Consolidated Unconsolidated Unconsolidated Unconsolidated To permit adequate grouting, the casing should remain in place, but ungrouted liner pipes or any other obstructions must be removed. Pressure grouting is the only accepted method.			
I certify that	: this well was sealed in accordance	•	5)
	بريسير وسيران	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-
Name of NJ	Certified Well Sealer Addres		Mailing Date
Performing \	Nork (Print or Type)	-mill amarane	12/3
			License #
(: OPIES: White - Weter Alincation	Yällow - Owner Pink - Hoalth Dant /	Zaldonmai - Delli

908 356 1009 P.03

L WK-UZU 5/95

New Jersey Department of Environmental Protection Water Supply Element — Bureau of Water Allocation

	MAIL TO:	Bureau of Water Allocation		WELL	PERMIT # 25-3654
		CN 426 Trenton, NJ 08625-0426			
				DATE WELL SE	ALED 4/22/96
-	~	: 			
	PROPERTY	DWNER CITTO DING.	NOSFIC	: 5V5 /2003	5
	ADDRESS _	TION Street & No., Township, County	186	withou NV	05560
	WELL LOCA	TION FIRST OF	الرين ويتر اح برديو في سنم	as There	The same of
		Street & No., Township, County		<u> </u>	20111101 5 T.
		10111-12 031	114	<u> </u>	
		Well No. Lot & Block No.			
	USE OF WEI	L PRIOR TO ABANDONMENT:	Bourt) WMW Co	
		R ABANDONMENT:			
	MAS A MEM	WELL DRILLED? YES	NO PE	RMIT # OF NEW WELL;	
	TOTAL DEPT DIÀMETER CASING LEN	HOFWELL 296	Cross-section of sealed well	Draw a sketch showing distant nearest roads, buildings, etc.	i
	SCREEN LEN NUMBER OF	CASINGS / S	XX	A.	724111
			51 1		Bldg.
		Lbs. of Sand/Gravei	WX -		
		(none if well is contaminated)	X Ou		
	FORMATION	Consolidated Unconsolidated	-1.X ×	177	EWIZ IN
	To permit ad must be rem	equate grouting, the casing should oved. Pressure grouting is the onl	remain in place y accepted met	e, but ungrouted liner pipes hod.	or any other obstructions
		LEFT IN PLACE? YES N		MATERIAL: 5/20/	
		OBSTRUCTIONS LEFT IN WELL?	YES ZINO	WHAT WERE THE OBSTRI	UCTIONS: 00000
	IF "YES", AUT	HORIZATION GRANTED BY	(NJDEP Offi	cial) ON	(Date)
	I certify that	this well was sealed in accordance	•		(Care)
9	anold.	Grahamer Chim	א נחל נושאח	Fd-Court Sin	£ 5100
*,		ertified Well Sealer Address	3	and the second	Mailing Date
\	renorming v	ork (Print or Type)	11/11/1	- France	12/3
)			Signature of N Performing W	IJ Certified Well Sealer ork	License #
	C	OPIES: White - Water Allocation	Yellow - Owner	Pink - Health Dept.	Goldenrod - Driller

5/95

New Jersey Department of Environmental Protection Water Supply Element — Bureau of Water Allocation

MAIL TO:	Bureau of Water Allocation CN 426		WELL PERMIT	#
	Trenton, NJ 08625-0426		DATE WELL SEALED	
PROPERTY (TON Street & No., Township, County	anistic 3	VS fems	6.5969
	Well No. Lot & Block No.	014		محوييدية سريعاوي
USE OF WEL	PRIOR TO ABANDONMENT:	Montoring		
	WELL DRILLED? YES			
FORMATION:	ASINGS ED TO SEAL WELL: Gallons of Water Lbs. of Cement Lbs. of Sand/Gravel (none if well is contaminated) Consolidated	Tremain in place but were	ted liner pipes or any other	Ş.
WAS CASING L	EFT IN PLACE? PYES	O CASING MATERIAL:	Stool	
	OBSTRUCTIONS LEFT IN WELL?		RE THE OBSTRUCTIONS: _	MINE
Name of NJ Ce	his well was sealed in accordance	ver look Od- En	(Date)	<u> </u>
	rk (Print or Type)	Signature of NJ Certified Well Performing Work	erner _	iling Date //// ense #
COL	PIES: White - Water Allocation	Yellow - Owner Pink - I	Health Dept. Goldenro	od - Driller

New Jersey Department of Environmental Protection Water Supply Element - Bureau of Water Allocation

	DANDONNENT ILLI OILL	
<u>TO:</u> Bureau of Water Allocation PO Box 426		ell sealed
Trenton, NJ 08625-0426	DATE WELL SEALED 8-11-9	7 0
	AGNOSTIC SYSTEMS, INC.	
ADDRESS 1001 ROJTE 2	02 N. PARITAN NJ 08869	
WELL LOCATION Street & No., Townshi	SAME) SOMEASET	Cry.
, m		
<u> </u>	14	
Well No.	Lot No. Block No.	, , , , , , , , , , , , , , , , , , ,
USE OF WELL PRIOR TO ABANDONMENT:	Boning	
REASON FOR ABANDONMENT: NOT	1~ VSE	
WAS A NEW WELL DRILLED? DYES	NO PERMIT # OF NEW WELL	
WAS CASING LEFT IN PLACE? YES		~~- • N
IF "YES", AUTHORIZATION GRANTED BY	ON	
Was an alternative decommissioning method u	(NJDEP Official) (F	Date)
IF "YES", authorization granted by	ON	·
I certify that this well was sealed in accorda	(NJDEP Official) (Date)	•
SIEVE YOTCOSKI	0 1	0-98
orming Work (Print or Type)	Address Mailing	Date
Table of the Certified Mell Segiet	Signature of NJ Certified Well Sealer Registration Performing Work	
COPIES: White - Water Allocation	Yellow - Owner Pink Hoalth Dont Coldons	al Daillean

New Jersey Department of Environmental Protection Water Supply Element - Bureau of Water Allocation

WELL AB	ANDONME	NT REPORT	ISTALLED 198
TO: Bureau of Water Allocation PO Box 426		WELL PER	of well sealed
Trenton, NJ 08625-0426	D/	ATE WELL SEALED _//-	29-99
PROPERTY OWNER ORTHODIAGN	OSTIC SYST	ems	
		JAN NJ 088	69
WELL LOCATION SAME Street & No., Township	, County	Somen	SET COUNTY
MW3 Well No.	Lot No.		3/ Block No.
USE OF WELL PRIOR TO ABANDONMENT:	MONITOII	JG	
REASON FOR ABANDONMENT: NO	LONGER	1~ USE	
WAS A NEW WELL DRILLED? DYES	MO	PERMIT # OF NEW W	ELL
TOTAL DEPTH OF WELL DIAMETER CASING LENGTH SCREEN LENGTH SCREEN LENGTH NUMBER OF CASINGS ERIAL USED TO DECOMMISSION WELL: Gallons of Water Lbs. of Cement Lbs. of Sand/Gravel (none if well is contaminated) FORMATION: Consolidated Unconsolidated To permit adequate grouting, the casing should be removed. Pressure grouting is the only accee	of sealed well new sealed well	975	1,00°
WAS CASING LEFT IN PLACE? ☐ YES ☐ I		ATERIAL: STEEL	
			OTIONIO
WERE OTHER OBSTRUCTIONS LEFT IN WELL IF "YES", AUTHORIZATION GRANTED BY	TEL TILES TYNO M	ON	CHONS:
Was an alternative decommissioning method us	(NJDEP Off ed? ☐ YES ☐ MO	icial)	(Date)
IF "YES", authorization granted by	<u> </u>	ON	
I certify that this well was sealed in accorda	(NJDEP Official) nce with N.J.A.C. 7	:9-9.1 et sea.	(Date)
JOHN VOGT	BOUN	O BROOK NS	12-14-99
forming Work (Print or Type) ne of NJ Certified Well Sealer	John	ress/ag/	Mailing Date
•	Signature of NJ Cert Performing Work	ified Well Sealer	Registration #
COPIES: White - Water Allocation	Yellow - Owner	Pink - Health Dept.	Goldenrod - Driller

Goldenrod - Driller

New Jersey Department of Environmental Protection Water Supply Element - Bureau of Water Allocation

PO Box 426 Trenton, NJ 08625-0426			ELL PERMIT # $\frac{25-3654}{\text{of well sealed}}$
PROPERTY OWNER ORTHO CLIN	MALDIA	NOSTICS	
ADDRESS 1001 HIGHWAY 20	2 RARIT	80 IN WA	869
WELL LOCATIONSAME		So	
Street & No., Township	, County	- · · · · · · · · · · · · · · · · · · ·	7-7.
P-1	14		31
Well No.	Lot N	0.	Block No.
USE OF WELL PRIOR TO ABANDONMENT:_	MONITOR	<u>_</u>	
REASON FOR ABANDONMENT: NO			
	· .		
~ / [′] Γ		PERMIT # OF I	distance and relations of well site to
TOTAL DEPTH OF WELL 5	· ·	nearest roads, buildings,	
CASING LENGTH		1	RUNTE 202
SCREEN LENGTH 3.5			1200110
NUMBER OF CASINGS/	目	À T	
ERIAL USED TO DECOMMISSION WELL:		1600	
Gallons of Water		0	
Lbs. of Cement			
Lbs. of Bentonite Lbs. of Sand/Gravel		1	
(none if well is contaminated)		F-1 P-1	
FORMATION: Consolidated Unconsolidated			·
To permit adequate grouting, the casing should be removed. Pressure grouting is the only access	remain in place, bu	t ungrouted liner pipes	or any other obstructions must
WAS CASING LEFT IN PLACE? X YES	NO CASING I	MATERIAL: //C	
WERE OTHER OBSTRUCTIONS LEFT IN WE	LL? TYES T NO	WHAT WERE THE O	BSTRUCTIONS:
IF "YES", AUTHORIZATION GRANTED BY	· · · · · · · · · · · · · · · · · · ·		ON
Was an alternative decommissioning method us	(NJDEP C sed? ☐ YES	official)	(Date)
IF "YES", authorization granted by		ON	· · · · · · · · · · · · · · · · · · ·
I certify that this well was sealed in accorda	(NJDEP Official)	7:0 0 1 01 007	(Date)
JEFF MARCHESI	nce will N.J.A.C.	7.9-9.1 et seg. DBROOK NT	11-12 00
forming Work (Print or Type)	Ohl A	ddress	Mailing Date
ne of NJ Certified Well Sealer	Har	thin	M1512
	Signature of NJ Co	ertified Well Sealer	Registration #
COPIES: White - Water Allocation	Yellow - Owner	Pink - Health De	ept. Goldenrod - Driller

New Jersey Department of Environmental Protection Water Supply Element - Bureau of Water Allocation

L_TO: Bureau of Water Allocation	WELL PERMIT # NONE		
PO Box 426 Trenton, NJ 08625-0426	DATE WELL SEALED / 0 - 4 - 0 0		
PROPERTY OWNER ORTHO CLINICALD	AGNOSTICS		
·	•		
WELL LOCATION Street & No. Township, County	SOMENSET COUNTY		
•	14 21		
Well No.	Lot No. Block No.		
USE OF WELL PRIOR TO ABANDONMENT: SUM	P FREE PRODUCT MONITON		
\			
SUMP / Cross-secti			
DIAMETER Of sealed v	vell nearest roads, buildings, etc.		
CASING LENGTH			
NUMBER OF CASINGS	Poute 202		
TERIAL USED TO DECOMMISSION WELL	5		
	550		
Lbs. of Cement			
Lbs. of Bentonite Lbs. of Sand/Gravel			
(none if well is contaminated)	190		
FORMATION: Consolidated			
,	N		
be removed. Pressure grouting is the only accepted metho	lace, but ungrouted liner pipes or any other obstructions must		
WAS CASING LEFT IN PLACE? ☑ YES ☐ NO C	ASING MATERIAL: PUC		
WERE OTHER OBSTRUCTIONS LEFT IN WELL? TYES	NO WHAT WERE THE OBSTRUCTIONS:		
IF "YES", AUTHORIZATION GRANTED BY	ON		
IF "YES", authorization granted by	ON		
· ·	, (= 0.0)		
JEFE MARCITES 1	BOUND BROOK MT 11-27-00		
forming Work (Print or Type)	Address Mailing Date		
PO BOX 426 Trenton, NJ 08625-0426 DATE WELL SEALED			
	g Work - Owner Pink - Hoalth Dont Goldonrod Drillor		

APPENDIX U Step-Rate Pumping Test Data

Step-Rate Pumping Test Raw Groundwater Elevation Data Ortho-Clinical Diagnostics, Inc. Raritan, New Jersey

Test 0, Step 0 Background Interference Check Start: 12/7/99 16:34 Stop: 12/7/99 18:25

Elapsed Time	MW28	MW28D	MW29D	_MW30	MW30D	MW-34	MW-341
0	94.597	52.666	52.671	87.667	50.828	NR	NR
1	94.597	52.669	52.671	87.67	50.828	NR	NR
2	94.597	52.669	52.668	87.667	50.828	NR	NR
3	94.597	52.669	52.671	87.667	50.828	NR	NR
4	94.597	52.669	52.668	87.667	50.828	NR	NR
5	94.597	52.669	52.668	87.667	50.821	NR	NR
6	94.597	52.669	52.664	87.667	50.821	NR	NR
7	94.597	52.669	52.664	87.667	50.815	NR_	NR
8	94.597	52.669	52.661	87.664	50.821	NR	NR
9	94.594	52.669	52.668	87.664	50.821	NR	NR
10	94.597	52.669	52.661	87.667	50.815	NR	NR
11	94.594	52.666	52.664	87.667	50.815	NR	NR
12	94.594	52.666	52.658	87.667	50.821	NR	NR
13	94.594	52.663	52.661	87.664	50.815	NR	NR
14	94.594	52.669	52.664	87.664	50.815	NR	NR
15	94.594	52.669	52.664	87.664	50.815	NR	NR
16	94.594	52.669	52.658	87.664	50.821	NR	NR
17	94.594	52.669	52.658	87.664	50.815	NR	NR
18	94.594	52.669	52.661	87.664	50.815	NR	NR
19	94.594	52.66	52.658	87.664	50.815	NR	NR
20	94.594	52.666	52.658	87.664	50.815	NR	NR
21	94.594	52.666	52.661	87.664	50.815	NR	NR
22	94.594	52.666	52.658	87.664	50.815	NR	NR
23	94.591	52.66	52.658	87.664	50.809	NR_	NR
24	94.591	52.669	52.658	87.661	50.809	NR	NR
25	94.594	52.666	52.652	87.664	50.809	NR	NR
26	94.594	52.666	52.658	87.664	50.809	NR	NR
27	94.591	52.657	52.655	87.664	50.802	NR	NR
28	94.591	52.663	52.652	87.661	50.809	NR	NR
29	94.591	52.666	52.649	87.661	50.809	NR	NR
30	94.591	52.666	52.652	87.661	50.802	NR	NR
31	94.591	52.657	52.646	87.661	50.809	NR	NR_
32	94.591	52.663	52.646	87.661	50.802	NR NR	NR
33	94.591	52.663	52.649	87.661	50.802	NR	NR
34	94.591	52.663	52.649	87.658	50.802	NR	NR_
35	94.588	52.66	52.646	87.661	50.802	NR	NR.
36	94.588	52.66	52.649	87.661	50.802	NR_	NR
37	94.588	52.663	52.646	87.661	50.802	NR.	NR
38	94.588	52.66	52.646	87.661	50.802	NR	NR.
39	94.588	52.66	52.639	87.658	50.802	NR	NR.
40	94.588	52.657	52.643	87.661	50.796	NR	NR
41	94.588	52.66	52.643	87.658	50.802	NR NB	NR ND
42	94.588	52.66	52.639	87.658	50.802	NR NR	NR_
43	94.585	52.657	52.636	87.658	50.796	NR NR	NR
44 .	94.588	52.657	52.639 52.630	87.658	50.796	NR NB	NR NB
45	94.585	52.657 52.654	52.639 52.639	87.658	50.802	NR NR	NR
46	94.585 94.585	52.654 52.654		87.658	50.802	NR.	NR.
48	94.585		52.636	87.658	50.796	NR ND	NR ND
		52.654	52.636	87.658	50.796	NR ND	NR.
50	94.585 94.585	52.654 52.654	52.633 52.63	87.658	50.796 50.796	NR ND	NR NB
51	94.585	52.65	52.63	87.658		NR ND	NR ND
52	94.585	52.65		87.658	50.796	NR ND	NR ND
53	94.583	52.644	52.633 52.63	87.658	50.79	NR NB	NR_
54	94.582	52.644	52.621	87.658 87.658	50.79	NR ND	NR_
55				87.658	50.79	NR ND	NR NTD
56	94.585	52.644	52.624		50.79	NR NB	NR ND
	94.582	52.644	52.624	87.658	50.79	NR ND	NR ND
57	94.582	52.644	52.621	87.655	50.79	NR NB	NR.
58	94.582	52.641	52.621	87.655	50.79	NR	NR NR
59	94.582	52.641	52.621	87.655	50.79	NR	NR.
60	94.582	52.641	52.618	87.655	50.783	NR NR	NR_
61	94.582	52.641	52.614	87.652	50.777	NR NR	NR NR
62	94.582	52.641	52.614	87.655	50.783	NR	NR

Step-Rate Pumping Test Raw Groundwater Elevation Data Ortho-Clinical Diagnostics, Inc. Raritan, New Jersey

64	94.578	52.638	52.608	87.655	50.783	NR	NR
65	94.582	52.638	52.608	87.655	50.783	NR	NR
66	94.578	52.638	52.611	87.652	50.783	NR	NR
67	94.578	52.635	52.608	87.655	50.783	NR	NR
68	94.578	52.635	52.602	87.655	50.783	NR	NR
69	94.578	52.635	52.605	87.652	50.777	NR	NR
. 70	94.578	52.638	52.611	87.652	50.783	NR	NR
71	94.578	52.635	52.611	87.652	50.777	NR	NR
72	94.578	52.635	52.608	87.655	50.783	NR	NR
73	94.578	52.632	52.608	87.652	50.783	NR	NR
74	94.575	52.632	52.605	87.652	50.777	NR	NR
75	94.578	52.628	52.605	87.652	50.777	NR	NR
76	94.575	52.628	52.602	87.652	50.777	NR	NR
77	94.575	52.625	52.596	87.652	50.777	NR	NR
78	94.575	52.622	52.596	87.652	50.777	NR	NR
79	94.575	52.622	52.599	87.652	50.771	NR	NR
80	94.575	52.622	52.596	87.648	50.771	NR	NR
81	94.575	52.622	52.592	87.648	50.771	NR	NR
82	94.575	52.622	52.596	87.648	50.771	NR	NR
83	94.572	52.622	52.596	87.648	50.771	NR	NR
84	94.572	52.619	52.596	87.648	50.771	NR	NR
85	94.572	52.619	52.589	87.648	50.771	NR	NR
86	94.572	52.622	52.586	87.648	50.771	NR	NR
87	94.572	52.619	52.58	87.648	50.764	NR	NR
88	94.572	52.616	52.577	87.648	50.764	NR	NR
89	94.569	52.616	52.58	87.648	50.764	NR	NR
90	94.569	52.616	52.58	87.645	50.764	NR	NR
91	94.569	52.613	52.577	87.648	50.764	NR	NR
92	94.569	52.613	52.577	87.648	50.771	NR	NR
93	94.569	52.613	52.58	87.645	50.764	NR	NR
94	94.569	52.609	52.58	87.645	50.764	NR	NR
95	94.569	52.609	52.577	87.645	50.758	NR	NR
96	94.569	52.609	52.58	87.645	50.758	NR	NR
97	94.569	52.609	52.577	87.645	50.758	NR	NR
98	94.569	52.609	52.574	87.645	50.758	NR	NR
99	94.569	52.609	52.574	87.645	50.758	NR	NR
100	94.566	52.609	52.564	87.645	50.758	NR	NR
101	94.566	52.606	52.571	87.642	50.752	NR	NR
102	94.566	52.606	52.571	87.642	50.758	NR	NR
103	94.566	52.6	52.567	87.642	50.752	NR	NR
104	94.563	52.6	52.561	87.642	50.752	NR	NR
105	94.566	52.603	52.558	87.642	50.745	NR	NR
106	94.566	52.6	52.555	87.642	50.752	NR	NR
107	94.563	52.6	52.552	87.642	50.752	NR	NR
108	94.563	52.6	52.558	87.639	50.745	NR	NR
109	94.563	52.6	52.561	87.639	50.752	NR	NR
110	94.563	52.6	52.561	87.639	50.745	NR	NR
111	94.563	52.603	52.558	87.639	50.752	NR	NR

NR: Not Recored.

Test 1, Step 0 Overnight background readings

Start: 12/7/99 18:42 Stop: 12/8/99 7:22

Elapsed Time	MW28	MW28D	MW29D	MW30	MW30D	MW-34	MW34D
0	94.553	52.587	52.537	87.633	51.284	NR	52.711
20	94.544	52.59	52.531	87.623	51.265	NR	52.717
40	94.541	52.575	52.515	87.62	51.246	NR	52.692
60	94.534	52.549	52.487	87.614	51.233	NR	52.66
80	94.528	52.546	52.475	87.604	51.208	NR	52.648
100	94.525	52.537	52.453	87.601	51.202	NR	52.629
120	94.525	52.527	52.44	87.595	51.189	NR	52.623
140	94.525	52.511	52.421	87.592	51.176	NR	52.604
160	94.525	52.499	52.403	87.588	51.157	NR	52.585
180	94.522	52.489	52.384	87.579	51.145	NR	52.572
200	94.525	52.476	52.365	87.576	51.125	NR	52.553
220	94.525	52.461	52.359	87.573	51.113	NR	52.547
240	94.522	52.448	52.343	87.566	51.1	NR	52.535
260	94.522	52.442	52.334	87.557	51.087	NR	52.522

Step-Rate Pumping Test Raw Groundwater Elevation Data Ortho-Clinical Diagnostics, Inc. Raritan, New Jersey

280	94.525	52.439	52.331	87.554	51.075	NR	52.516
300	94.522	52.432	52.327	87.547	51.062	NR	52.516
320	94.522	52.423	52.321	87.544	51.056	NR	52.503
340	94.522	52.426	52.334	87.541	51.043	NR	52.516
360	94.522	52.423	52.356	87.538	51.043	NR	52.528
380	94.522	52.407	52.365	87.535	51.03	NR	52.528
400	94:522	52.404	52.384	87.532	51.03	NR	52.535
420	94.522	52.397	52.399	87.528	51.024	NR	52.535
440	94.522	52.388	52.415	87.522	51.018	NR _	52.541
460	94.518	52.378	52.44	87.519	51.018	NR	52.553
480	94.518	52.382	52.453	87.513	51.011	NR	52.56
500	94.518	52.382	52.478	87.51	51.011	NR	52.572
520	94.522	52.385	52.503	87.506	51.011	NR	52.585
540	94.518	52.378	52.528	87.503	51.011	NR	52.598
560	94.518	52.391	52.553	87.497	51.011	NR	52.616
580	94.518	52.397	52.581	87.497	51.018	NR	52.629
600	94.518	52.401	52.6	87.494	51.018	NR	52.635
620	94.518	52.391	52.619	87.491	51.024	NR	52.648
640	94.518	52.397	52.634	87.487	51.03	NR	52.648
660	94.515	52.401	52.659	87.484	51.037	NR	52.66
680	94.518	52.401	52.672	87.481	51.037	NR	52.667
700	94.515	52.401	52.69	87.478	51.043	NR	52.673
720	94.518	52.404	52.709	87.475	51.043	NR	52.686
740	94.515	52.407	52.716	87.472	51.049	NR	52.686
760	94.522	52.413	52.709	87.468	51.056	NR	52.679

NR: Not Recored.

Test 2, Step 0 MW-34D transducer check

Start: 12/8/99 8:17 Stop: 12/8/99 10:20

Elapsed Time	MW28	MW28D	MW29D	MW30	MW30D	MW-34	MW34D
. 0	94.512	52.407	52.681	87.459	56.482	NR	52.648
1	94.515	52.407	52.681	87.459	56.482	NR	52.654
2	94.515	52.407	52.681	87.459	56.482	NR	52.654
3	94.515	52.413	52.684	87.459	56.482	NR	52.654
4	94.515	52.41	52.684	87.459	56.482	NR	52.654
5	94.515	52.413	52.684	87.459	56.482	NR	52.654
6	94.515	52.413	52.684	87.459	56.482	NR	52.654
7	94.515	52.413	52.684	87.456	56.482	NR	52.654
8	94.515	52.416	52.684	87.456	56.482	NR	52.654
9	94.515	52.416	52.684	87.459	56.482	NR	52.654
10	94.515	52.413	52.684	87.456	56.482	NR	52.654
11	94.515	52.413	52.684	87.459	56.482	NR	52.654
12	94.515	52.413	52.681	87.459	56.482	NR	52.648
13	94.515	52.413	52.681	87.456	56.482	NR	52.648
14	94.515	52.413	52.684	87.456	56.482	NR	52.648
15	94.515	52.413	52.681	87.459	56.482	NR	52.648
16	94.515	52.413	52.681	87.456	56.482	NR	52.648
17	94.515	52.413	52.681	87.456	56.482	NR .	52.648
18	94.515	52.413	52.681	87.456	56.482	NR	52.648
19	94.515	52.404	52.678	87.456	56.482	NR	52.648
20	94.515	52.413	52.678	87.456	56.482	NR	52.648
21	94.515	52.416	52.681	87.456	56.482	NR	52.648
22	94.515	52.416	52.678	87.459	56.482	NR	52.648
23	94.515	52.41	52.678	87.456	56.482	NR	52.648
24	94.515	52.416	52.681	87.456	56.482	NR	52.648
25	94.515	52.42	52.681	87.456	56.482	NR	52.648
26	94.512	52.42	52.681	87.456	56.488	NR	52.648
27	94.515	52.41	52.681	87.456	56.482	NR	52.648
28	94.515	52.42	52.678	87.456	56.482	NR	52.648
29	94.515	52.42	52.681	87.456	56.488	NR	52.648
30	94.515	52.42	52.678	87.456	56.482	NR	52.648
31	94.515	52.41	52.681	87.456	56.488	NR	52.648
32	94.515	52.416	52.678	87.456	56.488	NR	52.648
33	94.515	52.42	52.675	87.456	56.488	NR	52.642
34	94.512	52.413	52.675	87.456	56.482	NR	52.648
35	94.512	52.413	52.675	87.456	56.488	NR	52.642
36	94.512	52.416	52.678	87.456	56.488	NR	52.642

37	94.512	52.416	52.672	87.456	56.488	NR	52.642
38	94.512	52.416	52.678	87.456	56.482	NR	52.648
39	94.512	52.416	52.675	87.456	56.488	NR	52.642
40	94.512	52.416	52.672	87.456	56.482	NR	52.635
41	94.512	52.413	52.672	87.456	56.488	NR NR	52.642
42	94.512	52.416	52.672	87.456	56.488	NR NR	52.642
43	94.512	52.416	52.672		56.488		
44	94.512			87.456	·	NR NR	52.642
45	94.512	52.416	52.672	87.456	56.488	NR ·	52.635
		52.413	52.672	87.456	56.488	NR	52.642
46	94.509	52.416	52.672	87.456	56.482	NR	52.642
47	94.512	52.416	52.672	87.456	56.488	NR	52.642
48	94.509	52.416	52.672	87.453	56.488	NR	52.642
49	94.509	52.416	52.669	87.456	56.488	NR	52.635
50	94.509	52.416	52.669	87.456	56.488	NR	52.642
51	94.509	52.416	52.672	87.453	56.482	NR	52.635
52	94.509	52.413	52.669	87.453	56.488	NR	52.635
53	94.509	52.416	52.669	87.453	56.488	NR	52.635
54	94.509	52.416	52.665	87.456	56.488	NR	52.635
55	94.509	52.413	52.665	87.456	56.488	NR	52.635
56	94.509	52.416	52.665	87.456	56.488	NR	52.635
57	94.509	52.416	52.665	87.453	56.488	NR	52.635
58	94.509	52.416	52.665	87.453	49.728	NR	52.635
59	94.509	52.416	52.665	87.453	32.815	NR	52.635
60	94.509	52.413	52.665	87.453	32.796	NR NR	52.635
61	94.509	52.416	52.665	87.453	32.771	NR NR	52.635
62	94.509	52.416	52.669	87.453	32.752	NR	52.635
63	94.506	52.416	52.665	87.453	32.74	NR NR	52.635
64	94.509	52.413	52.665	87.453	32.733	NR NR	52.635
65	94.506		52.662				
		52.413		87.453	32.733	NR	52.635
66	94.509	52.413	52.665	87.453	32.746	NR,	52.635
67	94.509	52.416	52.662	87.453	32.733	NR'	52.635
68	94.509	52.416	52.659	87.453	32.733	NR	52.635
69	94.509	52.413	52.662	87.453	32.746	NR	52.635
70	94.506	52.413	52.659	87.453	32.733	NR	52.635
71	94.506	52.413	52.662	87.453	32.733	NR	52.629
72	94.509	52.41	52.656	87.453	32.727	NR	52.629
73	94.506	52.413	52.659	87.453	32.733	NR	52.629
74	94.506	52.41	52.656	87.453	32.733	NR	52.629
75	94.506	52.413	52.656	87.453	32.727	NR	52.629
76	94.506	52.413	52.653	87.45	32.721	NR	52.629
77	94.509	52.413	52.656	87.453	32.727	NR	52.623
78	94.506	52.413	52.659	87.453	32.721	NR	52.629
79	94.506	52.413	52.656	87.45	32.727	NR	52.629
80	94.506	52.41	52.653	87.45	32.733	NR	52.629
81	94.506	52.407	52.656	87.453	32.733	NR	52.629
82	94.506	52.407	52.653	87.45	32.727	NR	52.629
83	94.506	52.407	52.65	87.45	32.733	NR	52.629
84	94.506	52.407	52.65	87.45	32.727	NR	52.623
85	94.503	52.407	52.65	87.45	32.727	NR	52.623
86	94.506	52.407	52.65	87.45	32.727	NR NR	52.623
87	94.503	52.41	52.647	87.45	32.733	NR NR	52.623
88	94.506	52.41	52.653	87.453	32.733	NR NR	52.629
89	94.503	52.41	52.656	87.45	32.733	NR NR	52.629
90	94.503	52.41				NR NR	52.629
90	94.503	52.407	52.653 52.65	87.45	32.727		
				87.45	32.733	NR NB	52.623
92	94.503	52:41	52.644	87.45	32.733	NR NR	52.623
93	94.503	52.407	52.644	87.45	32.74	NR	52.629
94	94.503	52.41	52.647	87.45	32.74	NR	52.623
95	94.503	52.407	52.64	87.45	32.733	NR	52.623
96	94.503	52.407	52.644	87.45	32.733	NR	52.623
97	94.503	52.407	52.644	87.446	32.733	NR	52.623
98	94.503	52.407	52.644	87.446	32.733	NR	52.616
99	94.503	52.407	52.647	87.446	32.733	NR	52.623
100	94.503	52.407	52.64	87.45	32.746	NR	52.616
101	94.503	52.407	52.637	87.45	32.74	NR	52.616
102	94.503	52.407	52.631	87.45	32.746	NR	52.61
103	94.503	52.407	52.631	87.45	32.746	NR	52.61

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104	94.499	52.407	52.637	87.45	32.752	NR	52.61
105	94.499	52.41	52.637	87.45	32.771	NR	52.61
106	94.503	52.41	52.64	87.45	32.771	NR	52.61
107	94.499	52.41	52,647	87.45	32.771	NR	52.623
108	94.499	52.413	52.64	87.446	32.771	NR	52.623
109	94.499	52.413	52.647	87.446	32.771	NR	52.616
110	94.499	52.413	52.647	87.45	32.771	NR	52.629
111	94.499	52.413	52.644	87.446	32.765	NR	52.623
112	94.499	52.413	52.644	87.446	32.771	NR	52.623
113	94.499	52.413	52.637	87.446	47.581	NR	52.623
114	94.499	52.416	52.637	87.446	50.495	NR	52.623
115	94.499	52.416	52.64	87.45	48.233	NR	52.623
116	94.496	52.416	52.637	87.446	50.001	NR	52.623
117	94.496	52.413	52.637	87.446	50.97	NR	52.616
118	94.499	52.416	52.644	87.446	50.964	NR	52.616
119	94.499	52.416	52.644	87.446	50.964	NR	52.616
120	94.496	52.416	52.644	87.446	50.964	NR	52.623
121	94.496	52.416	52.64	87.446	50.958	NR	52.616
122	94.496	52.416	52.64	87.446	50.951	NR	52.616
123	94.493	52.41	52.631	87.446	50.945	NR	52.616

NR: Not Recored.

Test 3, Step 0 MW-30D Pump test (2 gpm) and recovery

Elapsed Time	MW28	MW28D	MW29D	MW30	MW30D	MW34	MW34E
0	94.481	59.315	52.631	87.443	50.748	80.782	52.629
0.0083	94.481	59.315	52.631	87.443	50.748	80.782	52.623
0.0166	94.481	59.315	52.628	87.443	50.748	80.782	52.623
0.025	94.481	59.315	52.628	87.443	50.748	80.782	52.623
0.0333	94.481	59.315	52.628	87.443	50.748	80.782	52.616
0.0416	94.481	59.315	52.628	87.443	50.748	80.782	52.616
0.05	94.481	59.315	52.628	87.443	50.698	80.782	52.616
0.0583	94.481	59.315	52.628	87.443	50.235	80,782	52.623
0.0666	94.481	59.315	52.628	87.443	50.463	80.782	52.623
0.075	94.481	59.315	52.628	87.443	50.444	80.782	52.616
0.0833	94.481	59.315	52.628	87.443	50.064	80.782	52.616
0.0916	94.481	59.315	52.628	87.443	49.912	80.782	52.616
0.1	94.481	59.315	52.628	87.443	49.887	80.782	52.616
0.1083	94.481	59.315	52.628	87.443	49.678	80.782	52.616
0.1166	94.481	59.315	52.628	87.443	49.475	80.782	52.616
0.125	94.481	59.312	52.631	87.443	49.291	80.782	52.616
0.1333	94.481	59.312	52.628	87.443	49.082	80.782	52.616
0.1416	94.481	59.315	52.628	87.443	48.981	80.782	52.623
0.15	94.481	59.315	52.628	87.443	48.816	80.782	52.623
0.1583	94.484	59.312	52.628	87.443	48.746	80.782	52.623
0.1666	94.481	59.315	52.628	87.443	48.677	80.782	52.623
0.175	94.481	59.312	52.628	87.443	48.601	80.782	52.623
0.1833	94.481	59.312	52.628	87.443	48.493	80.782	52.623
0.1916	94.481	59.312	52.628	87.443	48.189	80.782	52.616
0.2	94.481	59.315	52.628	87.443	48.056	80.782	52.623
0.2083	94.481	59.312	52.628	87.443	48.081	80.782	52.623
0.2166	94.481	59.312	52.628	87.443	48.176	80.782	52.616
0.225	94.481	59.312	52.628	87.443	48.1	80.782	52.616
0.2333	94.484	59.315	52.631	87.443	47.784	80.782	52.616
0.2416	94.484	59.312	52.628	87.443	48.005	80.782	52.623
0.25	94.481	59.312	52.628	87.443	47.847	80.782	52.623
0.2583	94.481	59.312	52.628	87.443	47.72	80.782	52.616
0.2666	94.481	59.312	52.628	87.443	47.853	80.782	52.616
0.275	94.481	59.312	52.631	87.443	47.607	80.782	52.623
0.2833	94.481	59.312	52.628	87.443	47.796	80.782	52.616
0.2916	94.481	59.315	52.628	87.443	47.79	80.782	52.623
0.3	94.481	59.312	52.631	87.443	47.499	80.782	52.616
0.3083	94.481	59.315	52.628	87.443	47.569	80.782	52.616
0.3166	94.481	59.312	52.631	87.443	47.562	80.782	52.623
0.325	94.481	59.315	52.628	87.443	47.493	80.782	52.616
0.3333	94.481	59.315	52.631	87.443	47.391	80.782	52.623
0.35	94.481	59.315	52.631	87.443	47.385	80.782	52.623

APPENDIX U Step-Rate Pumping Test Raw Groundwater Elevation Data Ortho-Clinical Diagnostics, Inc.

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0.3666	94.481	59.315	52.631	87.443	47.353	80.782	52,623
0.3833	94.484	59.315	52.631	87.443 87.443	47.252	80.782	52.623
0.4	94.481	59.315	52.631	87.443	47.1	80.782	52.623
0.4166	94.481	59.315	52.631	87.443	47.049	80.782	52.623
0.4333	94.481	59.312	52.631	87.443	47.182	80.782	52.623
0.45	94.481	59.315	52.631	87.443	47.233	80.782	52.623
0.4666	94,484	59.315	52.631	87.443	47.239	80.782	52.623
0.4833	94.481	59.315	52.631	87.443	47.144	80.782	52.616
0.5	94.481	59.312	52.631	87.443	47.049	80.782	52.623
0.5166	94.481	59.315	52.631	87.443	47.011	80.782	52.623
0.5333	94.481	59.312	52.628	87.443	47.138	80.782	52.623
0.55	94.484	59.315	52.631	87.443	47.106	80.782	52.623
0.5666	94.484	59.312	52.628	87.443	47.1	80.782	52.623
0.5833	94.484	59.315	52.628	87.443	46.948	80.782	52.623
0.6	94.481	59.315	52.628	87.443	46.91	80.782	52.623
0.6166	94.481	59.315	52.631	87.443	46.986	80.782	52.623
0.6333	94.481	59.315	52.631	87.443	47.03	80.782	52.623
0.65	94.481	59.315	52.628	87.443	46.948	80.782	52.616
0.6666	94.481	59.315	52.628	87.443	46.923	80.782	52.623
0.6833	94.481	59.315	52.628	87.446	46.847	80.782	52.623
0.7	94.481	59.315	52.628	87.443	46.79	80.782	52.623
0.7166	94.481	59.315	52.628	87.443	46.815	80.782	52.623
0.7333	94.481	59.312	52.628	87.443	46.872	80.782	52.623
0.75	94.481	59.315	52.628	87.443	46.954	80.782	52.623
0.7666	94.481	59.315	52.628	87.443	46.872	80.782	52.623
0.7833	94.484	59.315	52.628	87.443	46.802	80.782	52.623
0.8	94.481	59.312	52.628	87.446	46.708	80.782	52.623
0.8166	94.484	59.312	52.628	87.443	46.689	80.782	52.623
0.8333	94.484	59.312	52.628	87.443	46.676	80.782	52.623
0.85	94.481	59.312	52.628	87.443	46.701	80.782	52.623
0.8666	94.481	59.315	52.628	87.443	46.72	80.782	52.623
0.8833	94.484	59.315	52.628	87.446	46.739	80.782	52.623
0.9	94.484	59.312	52.628	87.443	46.79	80.782	52.623
0.9166	94.481	59.312	52.628	87.443	46.714	80.782	52.623
0.9333	94.484	59.315	52.628	87.443	46.676	80.782	52.623
0.95	94.484	59.315	52.628	87.443	46.575	80.782	52.623
0.9666	94.484	59.312	52.628	87.443	46.676	80.782	52.623
0.9833	94.484	59.315	52.628	87.443	46.467	80.782	52.623
1	94.481	59.315	52.628	87.443	46.48	80.782	52.623
1.2	94.484	59.315	52.628	87.443	46.163	80.782	52.629
1.4	94.484	59.315	52.631	87.443	45.809	80.782	52.623
1.6	94.484	59.315	52.628	87.446	45.6	80.782	52.623
1.8	94.484	59.315	52.628	87.443	45.29	80.782	52.623
2	94.484	59.319	52.628	87.443	44.923	80.782	52.623
2.2	94.484	59.315	52.631	87.446	44.683	80.782	52.623
2.4	94.484	59.319	52.631	87.446	44.448	80.782	52.629
2.6	94.484	59.319	52.631	87.446	44.195	80.782	52.623
2.8	94.484	59.315	52.628	87.446	44.088	80.782	52.623
3	94.484	59.319	52.628	87.446	43.746	80.782	52.623
3.2	94.484	59.319	52.628	87.446	43.493	80.782	52.623
3.4	94.484	59.319	52.628	87.45	43.272	80.782	52.623
3.6	94.484	59.319	52.625	87.446	43.171	80.782	52.623
3.8	94.484	59.315	52.628	87.446	42.728	80.782	52.629
4	94.487	59.319	52.628	87.446	42.659	80.782	52.623
4.2	94.487	59.315	52.628	87.446	42.324	80.782	52.629
4.4	94.487	59.319	52.625	87.446	42.007	80.782	52.623
4.6	94.487	59.319	52.628	87.446	41.9	80.782	52.629
4.8	94.487	59.319	52.628	87.446	41.59	80.782	52.623
5	94.487	59.319	52.628	87.446	41.356	80.782	52.629
5.2	94.487	59.319	52.628	87.446	41.123	80.782	52.629
5.4	94.487	59.319	52.631	87.446	40.939	80.782	52.629
5.6	94.487	59.319	52.631	87.446	40.674	80.782	52.635
5.8	94.487	59.319	52.634	87.446	40.51	80.782	52.635
6	94.487	59.315	52.634	87.446	40.194	80.782	52.635
	94.487	59.315	52.634	87.446	40.017	80.782	52.642
6.2	34.407						
6.2	94.487	59.319	52.634	87.446	39.859	80.782	52.635

6.8	94.487	59.315	52.628	87.446	39.391	80.782	52.629
7	94.487	59.319	52.628	87.446	39.208	80.782	52.629
7.2							
	94.487	59.319	52.625	87.446	38.943	80.782	52.629
7.4	94.487	59.319	52.622	87.446	38.76	80.782	52.629
7.6	94.49	59.319	52.622	87.446	38.513	80.782	52.629
7.8	94.487	59.319	52.625	87.446	38.343	80.782	52.635
8	94.487	59.319	52.628	87.446	38.153	80.782	52,635
8.2	 						
	94.49	59.319	52.628	87.446	37.964	80.782	52.629
8.4	94.49	59.319	52.625	87.446	37.711	80.782	52.635
8.6	94.487	59.319	52.625	87.446	37.528	80.782	52.629
8.8	94.49	59.319	52.628	87.446	37.307	80.782	52.629
9	94.487	59.319	52.625	87.446	37.105	80.782	52.629
9.2			52.625				
	94.49	59.319		87.446	36.878	80.782	52.623
9.4	94.487	59.319	52.622	87.446	36.727	80.782	52.623
9.6	94.487	59.319	52.622	87.446	36.506	80.782	52.623
9.8	94.49	59.319	52.622	87.446	36.291	80.782	52.623
10	94.487	59.3	52.619	87.443	36.102	80.782	52.616
12	94.49	59.303	52.628				
				87.446	34.234	80.782	52.629
14	94.49	59.303	52.628	87.443	32.771	80.782	52.629
16	94.49	59.303	52.622	87.446	32.765	80.782	52.623
18	94.49	59.306	52.622	87.446	33.339	80.782	52.629
20	94.49	59.309	52.622	87.446	34.127	80.782	52.623
22	94.49	59.312	52.625	87.446	34.915	80.782	52.629
	+						
24	94.49	59.312	52.637	87.446	35.66	80.782	52.635
26	94.49	59.312	52.631	87.446	36.386	80.782	52.629
28	94.49	59.312	52.619	87.446	37.086	80.782	52.623
30	94.49	59.312	52.628	87,446	37.768	80.782	52.629
32	94.49	59.315	52.619	87.446	38.412	80.782	52.623
34							-
	94.49	59.315	52.622	87.45	39.069	80.782	52.629
36	94.49	59.315	52.64	87.446	39.682	80.782	52.629
38	94.49	59.315	52.625	87.45	40.282	80.782	52.629
40	94.49	59.315	52.619	87.45	40.844	80.782	52.629
42	94.49	59.319	52.615	87.45	41.388	80.782	52.629
44	94.49	59.319	52.619	87.446	41.919	80.782	52.623
	i						
46	94.49	59.319	52.612	87.446	42.425	80.782	52.623
48	94.49	59.319	52.612	87.446	42.918	80.782	52.616
50	94.49	59.322	52.619	87.45	43.392	80.782	52.616
52	94.49	59.322	52.628	87.45	43.829	80.782	52.629
54	94.49	59.319	52.622	87.45	44.246	80.782	52.635
56							52.629
	94.49	59.319	52.609	87.45	44.657	80.782	
58	94.49	59.319	52.606	87.45	45.037	80.782	52.616
60	94.487	59.315	52.606	87.45	45.404	80.782	52.616
62	94.487	59.319	52.603	87.45	45.758	80.782	52.616
64	94.49	59.315	52.615	87.453	46.094	80.782	52.623
66	94.49	59.319	52.603	87.45	46.404	80.782	52.623
	+						
68	94.487	59.319	52.612	87.453	46.701	80.782	52.623
70	94.487	59.319	52.606	87.45	46.98	80.782	52.623
.72	94.487	59.315	52.593	87.45	. 47.246	80.782	52.616
74	94.487	59.319	. 52.597	87.45	47.512	80.782	52.61
76	94.487	59.319	52.593	87.453	47.727	80.782	52.61
78	94.487	59.319	52.597	87.453	47.948	80.782	52.616
							
80	94.487	59.319	52.597	87.453	48.151	80.782	52.61
82	94.487	59.319	52.606	87.453	48.347	80.782	52.616
84	94.487	59.319	52.593	87.453	48.525	80.782	52.616
86	94.487	59.319	52.6	87.453	48.696	80.782	52.616
88	94.487	59.319	52.587	87.453	48.848	80.782	52.61
90	94.487		52.597				
		59.319		87.453	48.993	80.782	52.616
92	94.487	59.319	52.59	87.453	49.12	80.782	52.61
94	94.49	59.319	52.593	87.453	49.24	80.782	52.616
96	94.487	59.315	52.587	87.456	49.348	80.782	52.61
98	94.487	59.319	52.59	87.453	49.45	80.782	52.61
100	94.487	59.319	52.581	87.453	49.538	80.782	52.61
	 						
102	94.487	59.319	52.581	87.456	49.621	80.782	52.604
104	94.487	59.319	52.587	87.456	49.697	80.782	52.604
106	94.487	59.319	52.581	87.453	49.766	80.782	52.61
108	94.484	59.319	52.581	87.453	49.83	80.782	52.604
110	94.487	59.315	52.572	87.456	49.887	80.782	52.604
117		27.010	-2.5.2	57.430	12.007	1 50.702	J-2.007

112	94.487	59.322	52.584	87.456	49.937	80.782	52.604
114	94.487	59.319	52.581	87.456	49.975	80.782	52.604
116	94.484	59.322	52.575	87.456	50.013	80.782	52.604
118	94.484	59.322	52.581	87.456	50.051	80.782	52.604
120	94.484	59.325	52.578	87.456	50.083	80.782	52.61
122	94.487	59.328	52.578	87.456	50.115	80.782	52.61
124	94.484	59.328	52.581	87.459	50.134	80.782	52.61
126	94.484	59.328	52.578	87.459	50.153	80.782	52.61
128	94.484	59.328	52.578	87.459	50.178	80.782	52.61
130	94.484	59.328	52.578	87.459	50.191	80.782	52.61
132	94.484	59.328	52.575	87.459	50.203	80.782	52.61
134	94.484	59.325	52.572	87.459	50.21	80.782	52.61
136	94.484	59.328	52.572	87.462	50.222	80.782	52.61
138	94.484	59.328	52.581	87.459	50.235	80.782	52.61
140	94.484	59.328	52.581	87.462	50.241	80.782	52.61
142	94.484	59.328	52.578	87.462	50.248	80.782	52.61
144	94.484	59.328	52.568	87.462	50.254	80.782	52.604
146	94.484	59.328	52.572	87.462	50.254	80.782	52.604
148	94.484	59.328	52.568	87.462	50.26	80.782	52.61
150	94.484	59.331	52.575	87.462	50.267	80.782	52.61
152	94.484	59.331	52.572	87.465	50.267	80.782	52.61
154	94.484	59.331	52.572	87.462	50.267	80.782	52.61
156	94.484	59.331	52.572	87.462	50.273	80.782	52.61
158	94.484	59.331	52.572	87.465	50.273	80.782	52.61
160	94.484	59.331	52.572	87.465	50.279	80.782	52.61
162	94.484	59.334	52.575	87.465	50.279	80.782	52.616

Test 4, Step 0 MW-28D Transducer check Start: 12/8/99 15:09 Stop: 12/8/99 15:10

Elapsed Time	MW28	MW28D	MW29D	MW30	MW30D	MW34	MW34D
0	94.474	53.326	52.54	87.472	50.286	95.457	52.604
0.0083	94.474	53.326	52.54	87.472	50.286	95.457	52.598
0.0166	94.474	53.326	52.54	87.472	50.286	95. <u>457</u>	52.591
0.025	94.474	53.326	52.54	87.472	50.286	95.457	52.591
0.0333	94.474	53.326	52.54	87.472	50.286	95.454	52.591
0.0416	94.474	53.326	52.54	87.472	50.286	95.457	52.591
0.05	94.474	53.326	52.54	87.472	50.286	95.454	52.591
0.0583	94.474	53.326	52.54	87.472	50.286	95.457	52.591
0.0666	94.474	53.326	52.54	87.472	50.286	95.454	52.591
0.075	94.474	53.326	52.54	87.472	50.286	95.454	52.591
0.0833	94.474	53.326	52.54	87.472	50.286	95.454	52.591
0.0916	94.474	53.323	52.54	87.472	50.286	95.457	52.591
0.1	94.474	53.326	52.54	87.472	50.286	95.454	52.591
0.1083	94.474	53.326	52.54	87.472	50.286	95.457	52.591
0.1166	94.474	53.326	52.54	87.472	50.286	95.457	52.591
0.125	94.474	53.326	52.54	87.472	50.286	95.457	52.591
0.1333	94.474	53.326	52.54	87.472	50.286	95.454	52.591
0.1416	94.474	53.323	52.54	87.472	50.286	95.454	52.591
0.15	94.474	53.326	52.54	87.472	50.292	95.457	52.591
0.1583	94.474	53.326	52.54	87.472	50.286	95.454	52.591
0.1666	94.474	53.326	52.54	87.472	50.292	95.457	52.591
0.175	94.474	53.326	52.54	87.472	50.286	95.454	52.591
0.1833	94.474	53.326	52.54	87.472	50.286	95.457	52.591
0.1916	94.474	53.323	52.54	87.472	50.286	95.457	52.591
0.2	94.474	53.323	52.54	87.472	50.286	95.454	52.591
0.2083	94.474	53.323	52.54	87.472	50.286	95.457	52.591
0.2166	94.474	53.323	52.54	87.472	50.286	95.457	52.591
0.225	94.474	53.326	52.54	87.472	50.286	95.454	52.591
0.2333	94.474	53.326	52.54	87.472	50.286	95.454	52.591
0.2416	94.474	53.323	52.54	87.472	50.292	95.454	52.591
0.25	94.474	53.326	52.54	87.472	50.292	95.457	52.591
0.2583	94.474	53.326	52.54	87.472	50.286	95.457	52.591
0.2666	94.474	53.323	52.54	87.472	50.286	95.457	52.591
0.275	94.474	53.326	52.54	87.472	50.286	95.457	52.591
0.2833	94.474	53.323	52.54	87.472	50.292	95.454	52.591
0.2916	94.474	53.326	52.537	87.472	50.292	95.454	52.591
0.3	94.474	53.323	52.54	87.472	50.286	95.454	52.591

0.3083	94.474	53.326	52.54	87.472	50.286	95.454	52.591
0.3166	94.474	53.326	52.54	87.472	50.286	95.457	52.591
0.325	94.474	53.326	52.54	87.472	50.292	95.457	52.591
0.3333	94.474	53.326	52.54	87.472	50.286	95.454	52.591
0.35	94.474	53.323	52.54	87.472	50.286	95.454	52.591
0.3666	94.474	53.326	52.537	87,472	50.286	95.454	52.591
0.3833	94,474	53.326	52.54	87.472	50.286	95.457	52.591
0.4	94.474	53.323	52.54	87.472	50.286	95.457	52.591
0.4166	94.474	53.326	52.54	87.472	50.286	95.454	52.591
0.4333	94,474	53.326	52.54	87.472	50.286	95.454	52.591
0.45	94.474	53.326	52.54	87.472	50.286	95.457	52.591
0.4666	94.474	53.323	52.537	87,472	50.286	95.454	52.591
0.4833	94.474	53.326	52.537	87.472	50.286	95,454	52.591
0.5	94.474	53.323	52.54	87.472	50.286	95,454	52.591
0.5166	94.471	53,326	52.54	87.472	50.286	95,454	52.591
0.5333	94,474	53.323	52.54	87.472	50.286	95.457	52.591
0.55	94,474	53.323	52.54	87,472	50.286	95.454	52.591
0.5666	94.474	53.323	52.537	87.472	50.286	95.454	52.591
0.5833	94,474	53.326	52.537	87,472	50.286	95.454	52.591
0.6	94.474	53.323	52.54	87.472	50.286	95.454	52.591
0.6166	94.474	53.326	52.54	87.472	50.286	95.454	52.591
0.6333	94.474	53.326	52.54	87,472	50.292	95.454	52.591
0.65	94,474	53.326	52.537	87,472	50.286	95.454	52.591
0.6666	94,474	53.326	52.54	87.472	50.286	95.457	52.591
0.6833	94,477	53.326	52.54	87,472	50.286	95.454	52.591
0.7	94.474	53.326	52.54	87.472	50.286	95.457	52.591
0.7166	94,474	53.326	52.537	87,472	50.286	95.457	52.591
0.7333	94,474	53.326	52.537	87.472	50.292	95.457	52.591
0.75	94.474	53.329	52.54	87.472	50.286	95.454	52.591
0.7666	94,474	53.326	52.537	87.472	50.286	95.457	52.591
0.7833	94,474	53.329	52.537	87.472	50.286	95.457	52.591
0.8	94.474	53.329	52.537	87.472	50.286	95.454	52.591
0.8166	94.477	53.326	52.537	87.472	50.286	95.454	52.591
0.8333	94.474	53.329	52.537	87.472	50.286	95.454	52.591
0.85	94.474	53.329	52.54	87.472	50.292	95.454	52.591
0.8666	94.477	53.326	52.537	87.472	50.286	95.454	52.591
0.8833	94,477	53.329	52.54	87.472	50.286	95.454	52.591
0.9	94.477	53.329	52.54	87.472	50.286	95.454	52.591
0.9166	94.474	53.326	52.537	87.472	50.286	95.454	52.591
0.9333	94.474	53.326	52.54	87.472	50.292	95.454	52.591
				07.470	50.286	05 457	52.591
0.95	94.477	53.326	52.54	87.472	30.280	95.457	32.391
0.95 0.9666		53.326 53.329	52.54 52.537	87.472	50.286	95.454	52.591
	94.477						

Test 4, Step 1 MW-28D Pump test (1.2 gpm) Start: 12/8/99 15:10 Stop: 12/8/99 16:10

Elapsed Time	MW28	MW28D	MW29D	MW30	MW30D	MW34	MW34D
0	94.474	53.335	52.537	87.472	50.286	95.457	52.598
0.0083	94.474	53.332	52.54	87.468	50.286	95.457	52.591
0.0166	94.474	53.323	52.54	87.468	50.286	95.457	52.591
0.025	94.474	53.329	52.537	87.468	50.286	95.457	52.591
0.0333	94.474	53.326	52.537	87.468	50.286	95.457	52.591
0.0416	94.474	53.329	52.537	87.468	50.286	95.457	52.591
0.05	94.474	53.323	52.537	87.468	50.286	95.457	52.591
0.0583	94.474	53.323	52.537	87.468	50.286	95.454	52.591
0.0666	94.474	53.294	52.537	87.468	50.286	95.454	52.591
0.075	94.474	53.319	52.537	87.468	50.286	95.457	52.591
0.0833	94.474	53.313	52.537	87.468	50.292	95.457	52.591
0.0916	94.474	53.319	52.537	87.468	50.286	95.457	52.591
0.1	94.474	53.275	52.537	87.468	50.286	95.457	52.591
0.1083	94.474	53.291	52.537	87.468	50.286	95.457	52.591
0.1166	94.474	53.31	52.54	87.468	50.286	95.457	52.591
0.125	94.474	53.313	52.537	87.468	50.286	95.457	52.591
0.1333	94.474	53.319	52.537	87.468	50.286	95.457	52.591
0.1416	94.474	53.313	52.537	87.468	50.286	95.457	52.591
0.15	94.474	53.31	52.537	87.468	50.292	95.457	52.591

Step-Rate Pumping Test Raw Groundwater Elevation Data Ortho-Clinical Diagnostics, Inc.

Raritan, New Jersey

0.1583	94.474	53.307	52.537	87.468	50.286	95,457	52.591
0.1666	94.474	53.316	52.537	87.468	50.286	95.457	52.591
0.175	94.477	53.297	52.537	87.468	50.292	95.46	52.591
0.1833	94,474	53,291	52.537	87.468	50.286	95.457	52.591
0.1916	94,477	53.294	52.537	87.472	50.286	95.46	52.591
0.2	94,474	53.288	52.537	87.468	50.286	95,457	52.591
0.2083	94,474	53.285	52.537	87.472	50.286	95.46	52.591
0.2166	94,477	53,278	52.537	87.468	50.286	95.46	52.591
0.225	94.477	53.278	52.537	87.468	50.292	95.46	52.591
0.2333	94,477	53.263	52.54	87.468	50.286	95.46	52.591
0.2416	94,474	53.269	52.537	87.472	50.286	95.46	52.591
0.25	94.477	53.266	52.537	87.468	50.286	95.46	52.591
0.2583	94.477	53.263	52.537	87.468	50.286	95.46	52.591
0.2666	94.474	53.25	52.537	87.468	50.286	95.46	52.591
0.275	94.477	53.256	52.537	87.472	50.292	95.46	52.591
0.2833	94.474	53.25	52.54	87.472	50.286	95.46	52.591
0.2916	94.474	53.25	52.537	87.472	50.286	95.46	52.591
0.3	94.474	53.256	52.537	87.472	50.286	95.46	52.591
0.3083	94.474	53.247	52.537	87.472	50.286	95.46	52.598
0.3166	94.474	53.253	52.537	87.472	50.286	95.46	52.591
0.325	94.474	53.247	52.537	87.472	50.286	95.46	52.591
0.3333	94.474	53.247	52.54	87.472	50.286	95.46	52.591
0.35	94.474	53.24	52.537	87.472	50.286	95.46	52.591
0.3666	94.474	53.24	52.537	87.468	50.286	95.46	52.598
0.3833	94.474	53.244	52.537	87.472	50.286	95.46	52.598
0.4	94.474	53.244	52.537	87.468	50.286	95.46	52.591
0.4166	94.474	53.247	52.537	87.472	50.286	95.46	52.591
0.4333	94.477	53.247	52.537	87.472	50.292	95.46	52.598
0.45	94.477	53.253	52.537	87.472	50.286	95.46	52.591
0.4666	94.474	53.253	52.537	87.472	50.286	95.46	52.598
0.4833	94.477	53.259	52.54	87.468	50.286	95.46	52.598
0.5	94.477	53.269	52.54	87.472	50.286	95.46	52.591
0.5166	94.477	53.266	52.537	87.472	50.286	95.46	52.591
0.5333	94.477	53.272	52.537	87.468	50.286	95.46	52.598
0.55	94.477	53.275	52.537	87.468	50.286	95.46	52.598
0.5666	94.477	53.278	52.537	87.472	50.286	95.46	52.591
0.5833	94.477	53.282	52.537	87.472	50.286	95.46	52.591
0.6	94.477	53.294	52.537	87.468	50.286	95.46	52.598
0.6166	94.477	53.288	52.537	87.472	50.286	95.463	52.598
0.6333	94.477	53.266	52.537	87.472	50.286	95.463	52.598
0.65	94.474	53.263	52.54	87.468	50.286	95.463	52.598
0.6666	94.477	53.253	52.537	87.468	50.286	95.463	52.598
0.6833	94.477	53.247	52.537	87.472	50.286	95.46	52.598
0.7	94.477	53.24	52.54	87.468	50.286	95.46	52.591
0.7166	94.474	53.234	52.537	87.472	50.286	95.463	52.598
0.7333	94.477	53.266	52.537	87.472	50.286	95.463	52.598
0.75	94.477	53.247	52.537	87.472	50.286	95.463	52.598
0.7666	94.477	53.24	52.537	87.472	50.286	95.463	52.598
0.7833	94.477	53.256	52.537	87.472	50.286	95.463	52.598
0.8	94.477	53.272	52.537	87.472	50.286	95.46	52.598
0.8166	94.477	53.275	52.54	87.472	50.286	95.463	52.598
0.8333	94.477	53.269	52.537	87.472	50.286	95.463	52.598
0.85	94.477	53.259	52.54	87.472	50.286	95.463	52.598
0.8666	94.477	53.266	52.54	87.472	50.286	95.463	52.598
0.8833	94.477	53.285	52.54	87.472	50.286	95.46	52.598
0.9	94.477	53.285	52.537	87.472	50.286	95.463	52.598
0.9166	94.477	53.291	52.537	87.472	50.286	95.463	52.598
0.9333	94.477	53.282	52.54	87.472	50.286	95.463	52.598
0.95	94.477	53.282	52.54	87.472	50.286	95.46	52.598
0.9666	94.477	53.278	52.537	87.472	50.286	95.463	52.598
0.9833	94.477	53.266	52.54	87.472	50.286	95.463	52.598
1	94.477	53.266	52.537	87.472	50.286	95.46	52.598
1.2	94.477	53.304	52.54	87.472	50.286	95.463	52.604
1.4	94.477	53.335	52.54	87.472	50.286	95.46	52.604
1.6	94.477	53.338	52.537	87.472	50.286	95.46	52.604
1.8	94.477	53.399	52.54	87.475	50.286	95.454	52.598

	T 04 477	52.404	50.54	97.475	50.006	05.453	50 500
2.2	94.477	53.481 53.421	52.54 52.54	87.475 87.475	50.286 50.286	95.457 95.457	52.598 52.598
2.6	94.477	53.354	52.537	87.472	50.286	95.46	52,604
2.8	94.477	53.326	52.537	87.472	50.286	95.46	52.598
3	94.477	53.357	52.537	87.472	50.286	95.46	52.598
3.2	94.477	53.338	52.537	87.472	50.286	95.46	52.604
3.4	94.477	53.272	52.537	87.472	50.286	95.46	52.598
3.6	94.481	53.294	52.54	87.472	50.286	95.463	52.598
3.8	94.481	53.316	52.54	87.472	50.286	95.463	52.604
4	94.481	53.193	52.54	87.475	50.286	95.466	52.604
4.2	94.481	52.908	52.54	87.475	50.286	95.457	52.598
4.4	94.481	53.338	52.54	87.475	50.286	95.457	52.598
4.6	94.477	53.405	52.537	87.472	50.286	95.457	52.598
4.8	94.481	53.351	52.537	87.472	50.286	95.46	52.598
	94.481	53.253	52.537	87.475	50.286	95.463	52.598
5.2	94.481	53.234	52.54	87.475	50.286	95.463	52.598
5.4	94.481	53.297	52.537	87.472	50.286	95.463	52.598
5.6	94.481	53.329	52.537	87.472	50.286	95.463	52.598
5.8	94.481	53.332	52.537	87.475	50.286	95.463	52.598
6	94.481	53.338	52.537	87.475	50.286	95.463	52.598
6.2	94.481	53.326	52.537	87.475	50.286	95.463	52.598
6.4	94.481 94.481	53.285 53.307	52.537 52.537	87.475 87.475	50.286 50.286	95.463 95.463	52.598 52.598
6.8	94.481	53.307	52.537	87.475 87.475	50.286	95.463	52.598
7	94.481	53.316	52.537	87.475 87.475	50.286	95.463	52.598
7.2	94.481	53.319	52.537	87.475	50.286	95.463	52.598
7.4	94.481	53.326	52.537	87.475	50.286	95.463	52.598
7.6	94.481	53.329	52.537	87.475	50.286	95.463	52.598
7.8	94.481	53.313	52.534	87.475	50.286	95,463	52.598
8	94.484	53.319	52.534	87.475	50.286	95.463	52.598
8.2	94.481	53.326	52.537	87.475	50.286	95.463	52.598
8.4	94.481	53.332	52.537	87.475	50.286	95.463	52.598
8.6	94.484	53.304	52.537	87.475	50.286	95.463	52.598
8.8	94.484	53.253	52.534	87.475	50.286	95.463	52.598
9	94.481	53:259	52.537	87.475	50.279	95.463	52.598
9.2	94.481	53.218	52.534	87.475	50.286	95.463	52.598
9.4	94.481	53.212	52.537	87.475	50.279	95.463	52.598
9.6	94.481	53.206	52.537	87.475	50.286	95.463	52.598
9.8	94.484	53.221	52.534	87.475	50.279	95.463	52.598
10	94.484	53.218	52.534	87.475	50.286	95.463	52.598
12	94.484	53.193	52.537	87.475	50.279	95.466	52.598
14	94.484	53.18	52.534	87.475	50.286	95.466	52.598
16	94.484	53.161	52.537	87.475	50.279	95.466	52.591 52.591
18	94.487	53.152	52.534	87.475	50.279	95.466	50.504
20 22	94.484	53.152 53.145	52.528 52.531	87.475 87.475	50.279 50.279	95.466 95.466	52.591 52.585
24	94.487	53.143	52.525	87.475 87.475	50.279	95.463	52.585
26	94.487	53.12	52.521	87.475	50.279	95.466	52.579
28	94.487	53.107	52.521	87.478	50.279	95.466	52.579
30	94.487	53.101	52.518	87.478	50.273	95.466	52.572
32	94.484	53.073	52.518	87.478	50.279	95.466	52.579
34	94,487	53.025	52.515	87.478	50.279	95.466	52.572
36	94.487	53.003	52.518	87.475	50.267	95.466	52.572
38	94.487	52.971	52.512	87.475	50.267	95.466	52.566
40	94.487	52.968	52.509	87.478	50.273	95.466	52.566
42	94.487	52.949	52.512	87.478	50.273	95.469	52.566
44	94.487	52.927	52.512	87.478	50.267	95.463	52.566
46	94.49	52.911	52.506	87.481	50.273	95.463	52.56
48	94.487	52.902	52.5	87.478	50.267	95.463	52.553
50	94.487	52.88	52.503	87.478	50.273	95.466	52.56
52	94.487	52.851	52.503	87.478	50.267	95.466	52.553
54	94.487	52.921	52.496	87.478	50.26	95.463	52.547
56	94.487	52.956	52.496	87.481	50.267	95.466	52.547
58	94.487	52.93	52.496	87.481	50.267	95.466	52.547
60	94.487	52.949	52.496	87.481	50.267	95.469	52.547

Test 4, Step 2 MW-28D Pump test (1.9 gpm)

Step-Rate Pumping Test Raw Groundwater Elevation Data Ortho-Clinical Diagnostics, Inc. Raritan, New Jersey

Elapsed Time	MW28	MW28D	MW29D	MW30	MW30D	MW34	MW34I
0	94.487	52.965	52.493	87.481	50.273	95.469	52.547
0.0083	94.487	52.959	52.493	87.481	50.273	95.469	52.541
0.0166	94.487	52.952	52.493	87.481	50.273	95.469	52.541
0.025	94.487	52.952	52.493	87.481	50.273	95.469	52.541
0.0333	94.487	52.943	52.493	87.481	50.267	95.469	52.541
0.0416	94.487	52.933	52.493	87.481	50.273	95.469	52.541
0.05	94.487	52.924	52.493	87.481	50.273	95.469	52.541
0.0583	94.487	52.927	52.493	87.481	50.273	95.469	52.541
0.0666	94.487	52.927	52.493	87.481	50.273	95.469	52.541
0.075	94.487	52.952	52.493	87.481	50.273	95.469	52.541
0.0833	94.484	52.911	52.493	87.481	50.273	95.469	52.541
0.0916	94.487	52.914	52.493	87.481	50.273	95.469	52.541
0.1	94.484	52.918	52.493	87.481	50.273	95.469	52.541
0.1083	94.484	52.918	52.493	87.481	50.273	95.466	52.541
0.1166	94.484	52.927	52.493	87.481	50.273	95.469	52.541
0.125	94.484	52.921	52.493	87.481	50.267	95.469	52.541
0.1333	94.484	52.921	52.493	87.481	50.273	95.469	52.541
0.1416	94.484	52.914	52.493	87.481	50.273	95.469	52.541
0.15	94.484	52.921	52.493	87.481	50.267	95,469	52.541
0.1583	94.484	52.911	52.493	87.481	50.273	95.469	52.541
0.1666	94.484	52.908	52.493	87.481	50.273	95.469	52.541
0.175	94.484	52.918	52.493	87.481	50.273	95.469	52.541
0.1833	94.484	52.924	52.493	87.481	50.273	95.469	52.541
0.1916	94.484	52.918	52,493	87.478	50.273	95.469	52.541
0.2	94.484	52.914	52.493	87.481	50.273	95.469	52.541
0.2083	94.484	52.914	52.493	87.481	50.273	95.469	52.541
0.2166	94.484	52.921	52.493	87.478	50.267	95.469	52.541
0.225	94.484	52.902	52.493	87.481	50.273	95.469	52.541
0.2333	94.484	52.895	52.493 52.493	87.481	50.273	95.469	52.541 52.541
0.2416	94.484	52.911 52.908	52.493	87.481	50.273	95.469	52.541
0.2583	94.484	52.908	52.493	87.481	50.273	95.469 05.460	52.541
0.2666	94.484	52.908	52.493 52.493	87.481 87.481	50.267 50.273	95.469 95.469	52.541 52.541
0.2000	94.484	52.908	52.493	87.481	50.273	95.469 95.469	52.541
0.273	94.484	52.903	52.493	87.481	50.273	95.469	52.541
0.2916	94.484	52.902	52.493	87.481	50.273	95.469	52.541
0.3	94.484	52.902	52.493	87.481	50.273	95.469	52.541
0.3083	94.487	52.905	52.493	87.481	50.273	95.469	52.541
0.3166	94.484	52.895	52.493	87.481	50.267	95.469	52.541
0.3100	94.484	52.899	52.493	87.481	50.273	95.469	52.541
0.3333	94.484	52.918	52.493	87.481	50.267	95.469	52.541
0.35	94.484	52.892	52.493	87.481	50.277	95.469	52.541
0.3666	94.484	52.895	52.493	87.481	50.273	95.469	52.541
0.3833	94.484	52.892	52.493	87.481	50.267	95.469	52.541
0.4	94.484	52.902	52.493	87.481	50.273	95.469	52.541
0.4166	94.484	52.895	52,493	87.481	50.267	95.469	52.541
0.4333	94.484	52.88	52.496	87.478	50.267	95.469	52.541
0.45	94.484	52.892	52.493	87.481	50.267	95.469	52.541
0.4666	94.484	52.889	52.493	87.481	50.267	95.469	52.541
0.4833	94.487	52.902	52.493	87.481	50.267	95.469	52.541
0.5	94.487	52.899	52.493	87.481	50.267	95.469	52.541
0.5166	94.484	52.883	52.493	87.478	50.267	95.469	52.541
0.5333	94.484	52.883	52.493	87.481	50.267	95.469	52.541
0.55	94.484	52.899	52.493	87.481	50.267	95.469	52.541
0.5666	94.484	52.886	52.493	87.481	50.273	95.469	52.541
0.5833	94.487	52.88	52.493	87.481	50.267	95.469	52.541
0.6	94.487	52.886	52.496	87.481	50.267	95.469	52.541
0.6166	94.484	52.88	52.493	87.481	50.267	95.469	52.541
0.6333	94.487	52.883	52.493	87.481	50.267	95.469	52.541
0.65	94.484	52.883	52.493	87.481	50.267	95.469	52.541
0.6666	94.487	52.88	52.493	87.481	50.267	95.466	52.541
0.6833	94.487	52.886	52.493	87.481	50.267	95.469	52.541
0.7	94.487	52.895	52.493	87.481	50.267	95.466	52.541
0.7166	94.484	52.873	52.493	87.481	50.267	95.469	52.541
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Step-Rate Pumping Test Raw Groundwater Elevation Data Ortho-Clinical Diagnostics, Inc.

Raritan, New Jersey

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0.75	94.487	52.895	52.493	87.481	50.267	95.466	52.541
0.7666	94.487	52.873	52.493	87.481	50.267	95.466	52.541
0.7833	94.487	52.88	52.493	87.481	50.267	95,466	52.541
0.8	94.484	52.877	52.493	87.481	50.267	95.466	52.541
0.8166	94.487	52.88	52.493	87.481	50.267	95.466	52.541
0.8333	94.484	52.87	52.493	87.481	50.267	95.466	52.541
0.85	94.484	52.873	52.493	87.481	50.267	95.469	52.541
0.8666	94.487	52.873	52.493	87.481	50.267	95.466	52.541
0.8833	94.487	52.867	52.49	87.481	50.267	95.466	52.541
0.9	94.487	52.883	52.493	87.481	50.267	95.469	52.541
0.9166	94.487	52.87	52.493	87.481	50.267	95.466	52.541
0.9333	94.487	52.877	52.493	87.481	50.267	95.466	52.541
0.95	94.487	52.88	52.493	87.481	50.267	95.466	52.541
0.9666	94.487	52.88	52.493	87.481	50.267	95.466	52.541 52.541
0.9833	94.487	52.873	52.493	87.481	50.267	95.466	
1	94.487	52.864	52.493	87.481	50.267	95.466	52.541
1.2	94.487	52.861	52.49	87.481	50.267	95.466	52.541 52.541
1.4	94.487	52.861	52.49	87.481	50.267	95.466	52.541
1.6	94.487	52.845	52.487	87.481	50.267	95.466 95.469	52.541
1.8	94.487	52.854	52.49	87.481	50.267 50.267	95.469	52.541
2	94.487	52.848	52.49 52.493	87.481 87.481	50.267	95.466	52.541
2.2	94.487	52.839		87.481	50.267	95.469	52.541
2.4	94.487	52.832	52.493 52.49	87.481	50.267	95.469	52.541
2.6	94.487	52.839 52.829	52.49	87.481	50.267	95.466	52.541
2.8	94.487		52.49	87.481	50.267	95.469	52.541
3.2	94.487 94.487	52.835 52.823	52.487	87.481	50.26	95.466	52.541
	94.487	52.823	52.487	87.481	50.26	95.466	52.541
3.4		52.823	52.487	87.481	50.26	95.466	52.541
3.6	94.487 94.487	52.816	52.484	87.481	50.254	95.469	52.535
3.8		52.81	52.484	87.481	50.254	95.466	52.541
4.2	94.487 94.487	52.81	52.484	87.481	50.26	95.466	52.535
4.4	94.487	52.81	52.481	87.481	50.26	95.463	52.535
4.6	94.487	52.804	52.478	87.481	50.26	95.463	52.535
4.8	94.487	52.791	52.478	87.481	50.26	95.466	52.535
5	94.487	52.801	52.478	87.481	50.26	95.466	52.535
5.2	94.487	52.797	52.478	87.481	50.267	95.466	52.535
5.4	94.487	52.794	52.478	87.481	50.267	95,466	52.535
5.6	94.487	52.794	52.478	87.481	50.267	95,466	52.535
5.8	94.487	52.788	52.478	87.481	50.267	95.466	52.535
6	94.487	52.791	52.478	87.481	50.267	95.466	52.535
6.2	94.487	52.785	52.478	87.481	50.267	95,466	52.535
6.4	94.487	52.794	52.481	87.481	50.267	95.466	52.535
6.6	94.487	52.794	52.481	87.481	50.267	95,469	52.535
6.8	94.487	52.778	52.484	87.481	50.267	95.469	52.535
7	94.487	52.782	52.481	87.481	50.267	95.469	52.535
7.2	94.487	52.782	52.481	87.481	50.267	95.469	52.535
7.4	94,487	52.778	52.481	87.481	50.267	95.466	52.535
7.6	94.487	52.775	52.481	87.481	50.267	95.469	52.535
7.8	94.49	52.788	52.484	87.481	50.267	95.469	52.535
8	94.487	52.775	52.484	87.481	50.267	95.469	52.535
8.2	94.487	52.772	52.484	87.481	50.26	95.469	52.535
8.4	94.487	52.766	52.484	87.481	50.267	95.469	52.535
8.6	94.487	52.769	52.484	87.481	50.267	95.469	52.535
8.8	94.487	52.766	52.487	87.481	50.267	95.469	52.535
9	94.487	52.778	52.487	87.481	50.267	95.469	52.535
9.2	94.487	52.763	52.487	87.481	50.267	95.469	52.535
9.4	94.487	52.763	52.487	87.484	50.267	95.469	52.535
9.6	94.487	52.763	52.487	87.481	50.267	95.469	52.535
9.8	94.49	52.75	52.487	87.481	50.267	95.469	52.535
10	94.487	52.753	52.481	87.481	50.26	95.469	52.535
12	94.487	52.731	52.481	87.481	50.26	95.469	52.528
14	94.487	52.725	52.484	87.481	50.26	95.473	52.528
16	94.49	52.702	52.481	87.481	50.26	95.469	52.522
18	94.49	52.684	52.471	87.481	50.26	95.469	52.522
4.0				+	+		
20	94.487	52.674	52.471	87.481	50.254	95.466	52.516

24	94.487	52.665	52.475	87.484	50.254	95.473	52.516
26	94.487	52.652	52.468	87.481	50.254	95.473	52.516
28	94.487	52,614	52.468	87.484	50.254	95.469	52.509
30	94.487	52.617	52.468	87.481	50.248	95.473	52.509
32	94.487	52.608	52.465	87.481	50.248	95.469	52.503
34	94.487	52.604	52.462	87.484	50.26	95.469	52.503
36	94.487	52.573	52.462	87.484	50.26	95.469	52.497
38	94.487	52.551	52.462	87.484	50.248	95.473	52.497
40	94.487	52.62	52.456	87.484	50.248	95.469	52.49
42	94.487	52.699	52.456	87.484	50.254	95.473	52.497
44	94,487	52.74	52.453	87.484	50.254	95.473	52.49
46	94.487	52.804	52.45	87.484	50.248	95.473	52.49
48	94.484	52.81	52.45	87.484	50.248	95.479	52.484
50	94.487	52.804	52.446	87.484	50.248	95.476	52.484
52	94.484	52.63	52.443	87.484	50.241	95.476	52.484
54	94.484	52.57	52.44	87.484	50.241	95.476	52.478
56	94.484	52.551	52.434	87.484	50.241	95.476	52.478
58	94.484	52.519	52.434	87.484	50.241	95.473	52.472
60	94.484	52.509	52.434	87.484	50.241	95.473	52.465
62	94.484	52.49	52.428	87.484	50.241	95.469	52.459
64	94.484	52.459	52.428	87.484	50.241	95.473	52.453
66	94.484	52.449	52.428	87.484	50.235	95.473	52.459
68	94.484	52.44	52.415	87.487	50.235	95.469	52.446

Test 4, Step 3 MW-28D Pump test (3.4 gpm)

Elapsed Time	MW28	MW28D	MW29D	MW30	MW30D	MW34	MW34D
0	94.484	52.44	52.415	87.487	50.235	95.466	52.446
0.0083	94.481	52.415	52.415	87.487	50.235	95.466	52.44
0.0166	94.484	52.44	52.415	87.484	50.235	95.469	52.44
0.025	94.484	52.44	52.415	87.484	50.235	95.469	52.434
0.0333	94.481	52.443	52.415	87.484	50.235	95.469	52.434
0.0416	94.481	52.437	52.415	87.484	50.235	95.466	52.44
0.05	94.484	52.427	52.415	87.484	50.235	95.469	52.434
0.0583	94.481	52.405	52.415	87.484	50.235	95.466	52.434
0.0666	94.481	52.427	52.415	87.484	50.235	95.469	52.434
0.075	94.481	52.421	52.415	87.484	50.235	95.469	52.434
0.0833	94.481	52.389	52.415	87.484	50.235	95.469	52.434
0.0916	94.481	52.402	52.415	87.484	50.235	95.469	52.434
0.1	94.481	52.411	52.415	87.487	50.235	95.469	52.434
0.1083	94.481	52.389	52.415	87.484	50.235	95.469	52.434
0.1166	94.484	52.399	52.415	87.484	50.241	95.469	52.434
0.125	94.481	52.342	52.415	87.484	50.235	95.463	52.434
0.1333	94.481	52.354	52.415	87.484	50.235	95.463	52.427
0.1416	94.481	52.402	52.415	87.484	50.235	95.463	52.434
0.15	94.481	52.437	52.412	87.484	50.235	95.463	52.434
0.1583	94.481	52.468	52.415	87.484	50.235	95.463	52.434
0.1666	94.481	52.497	52.412	87.484	50.241	95.463	52.434
0.175	94.481	52.528	52.415	87.484	50.235	95.463	52.434
0.1833	94.481	52.547	52.412	87.484	50.235	95.463	52.434
0.1916	94.481	52.566	52.412	87.484	50.241	95.463	52.434
0.2	94.481	52.592	52.415	87.484	50.241	95.463	52.434
0.2083	94.481	52.604	52.412	87.484	50.235	95.463	52.434
0.2166	94.481	52.614	52.412	87.484	50.235	95.463	52.434
0.225	94.481	52.623	52.412	· 87.484	50.235	95.466	52.434
0.2333	94.481	52.63	52.412	87.484	50.235	95.466	52.434
0.2416	94.481	52.633	52.412	87.484	50.235	95.466	52.434
0.25	94.481	52.63	52.412	87.484	50.235	95.466	52.434
0.2583	94.481	52.636	52.412	87.484	50.235	95.466	52.434
0.2666	94.481	52.639	52.412	87.484	50.235	95.466	52.434
0.275	94.481	52.639	52.412	87.484	50.235	95.466	52.434
0.2833	94.481	52.63	52.412	87.484	50.235	95.466	52.434
0.2916	94.481	52.62	52.409	87.484	50.235	95.466	52.434
0.3	94.481	52.62	52.412	87.484	50.235	95.466	52.434
0.3083	94.481	52.608	52.412	87.484	50.235	95.469	52.434
0.3166	94.481	52.595	52.412	87.484	50.241	95.469	52.434
0.325	94.481	52.592	52.412	87.484	50.235	95.466	52.434

0.3333	94.481	52.557	52.412	87.484	50.235	95,469	52,434
0.3333	94.481	52.557	52.412	87.484	50.241	95.466	52.434
0.3666	94.481	52.544	52.412	87.487	50.241	95.469	52.434
0.3833	94.481	52.528	52.409	87.487	50.235	95,469	52.434
0.4	94.481	52.516	52.409	87.484	50.235	95.469	52.44
0.4166	94.481	52.494	52.409	87.484	50.235	95.469	52.44
0.4333	94.481	52.494	52.409	87.484	50.241	95.469	52.44
0.45	94.481	52.49	52.409	87.487	50.235	95.469	52.434
0.4666	94.481	52.475	52.409	87.484	50.235	95.469	52.44
0.4833	94.481	52.462	52.409	87.487	50.235	95.469	52.44
0.4855	94.481	52.462	52.409	87.487	50.235	95.469	52.44
0.5166	94.481	52.449	52.409	87.487	50.235	95.469	52.434
0.5333	94.481	52.443	52.409	87.487	50.235	95.469	52.44
0.55	94.481	52.437	52.409	87.484	50.235	95.469	52.44
0.5666	94.481	52.43	52.409	87.487	50.235	95.469	52.44
0.5833	94.481	52.434	52.409	87.487	50.235	95.469	52.434
0.6	94.481	52.424	52.409	87.487	50.235	95.469	52.44
0.6166	94.481	52.418	52.409	87.484	50.241	95.469	52.44
0.6333	94.481	52.411	52.409	87.487	50.235	95.469	52.44
0.65	94.481	52.405	52.409	87.487	50.241	95.469	52.434
0.6666	94.481	52.408	52.409	87.487	50.241	95.469	52.434
0.6833	94.481	52.399	52.409	87.487	50.235	95.469	52.44
0.7	94.481	52.389	52.409	87.484	50.235	95.469	52.44
0.7166	94.481	52.392	52,409	87.487	50.235	95.469	52.44
0.7333	94.481	52.396	52.409	87.487	50.235	95.469	52.44
0.75	94.481	52.386	52.409	87.487	50.235	95.469	52.44
0.7666	94.481	52.386	52.409	87.487	50.241	95.469	52.434
0.7833	94.481	52.383	52.409	87.487	50.235	95.469	52.434
0.8	94.481	52.377	52.409	87.484	50.241	95.469	52.44
0.8166	94.481	52.367	52.409	87.484	50.235	95.469	52.434
0.8333	94,484	52.364	52.409	87.487	50.235	95.469	52.44
0.85	94.481	52.358	52.412	87.484	50.235	95.469	52.44
0.8666	94.481	52.364	52.409	87.484	50.241	95.469	52.434
0.8833	94.481	52.377	52.412	87.487	50.241	95.469	52.434
0.9	94.481	52.351	52.409	87.484	50.235	95.469	52.434
0.9166	94.481	52.351	52.412	87.487	50.235	95.469	52.434
0.9333	94.484	52.342	52.409	87.487	50.241	95.469	52.434
0.95	94.481	52.342	52.409	87.484	50.235	95.469	52.434
0.9666	94.481	52.345	52.409	87.484	50.235	95.469	52.44
0.9833	94.481	52.339	52.409	87.487	50.235	95.469	52.44
1	94.481	52.354	52.409	87.484	50.235	95.469	52.44
1.2	94.481	52.323	52.412	87.487	50.235	95.473	52.446
1.4	94.481	52.304	52.415	87.487	50.235	95.469	52.446
1.6	94.481	52.301	52.415	87.487	50.235	95.469	52.446
1.8	94.481	52.275	52.415	87.487	50.235	95.469	52.446
2	94.481	52.269	52.412	87.487	50.235	95.469	<u>52.446</u>
2.2	94.481	52.26	52.412	87.487	50.235	95.469	52.44
2.4	94.481	52.247	52.412	87.484	50.235	95.473	52.446
2.6	94.484	52.237	52.412	87.487	50.235	95.473	52.44
2.8	94.484	52.228	52.412	87.487	50.235	95.473	52.44
3	94.484	52.218	52.412	87.487	50.235	95.473	52.44
3.2	94.481	52.218	52.412	87.487	50.235	95.473	52.44
3.4	94.481	52.209	52.415	87.487	50.235	95.473	52.44
3.6	94.481	52.209	52.412	87.487	50.235	95.473	52.44
3.8	94.484	52.206	52.415	87.487	50.235	95.473	52.44
4	94.484	52.19	52.415	87.487	50.235	95.473	52.44
4.2	94.484	52.193	52.412	87.487	50.235	95.473	52.44
4.4	94.484	52.187	52.412	87.484	50.235	95.473	52.44
4.6	94.484	52.184	52.415	87.487	50.235	95.473	52.44
4.8	94.481	52.174	52.415	87.487	50.235	95.473	52.44
5	94.481	52.171	52.415	87.487	50.235	95.473	52.44
5.2	94.481	52.174	52.415	87.487	50.235	95.476	52.44
5.4	94.481	52.161	52.415	87.487	50.235	95.476	52.44
5.6	94.481	52.161	52.415	87.487	50.235	95.476	52.44
5.8	94.481	52.152	52.412	87.487	50.235	95.476	52.44
6	94.484	52.149	52.412	87.487	50.235	95.473	52.44
6.2	94.484	52.146	52.412	87.487	50.235	95.473	52.44

6.4	94.481	52.146	52.412	87.487	50,235	95.476	52,44
6.6	94.481	52.139	52.409	87.484	50.235	95.476	52.44
6.8	94.484	52.133	52.409	87.487	50.235	95.473	52.44
7	94.484	52.13	52.412	87.487	50.235	95.473	52,44
7.2	94.481	52.123	52.412	87.487	50.235	95,473	52.434
7.4	94.484	52.12	52.409	87.487	50.235	95.473	52.44
7.6	94.484	52.117	52.409	87.487	50.235	95.476	52.44
7.8	94.484	52.114	52.409	87.487	50.235	95.473	52.44
8	94.484	52.108	52.409	87.487	50.235	95.473	52.44
8.2	94.484	52.101	52.409	87.487	50.235	95.473	52.434
8.4	94.484	52.098	52.406	87.487	50.229	95.473	52.434
8.6	94.484	52.095	52.406	87.487	50.235	95.473	52.434
8.8	94.481	52.098	52.403	87.487	50.229	95.473	52.434
9	94.484	52.095	52.406	87.487	50.235	95.473	52.434
9.2	94.481	52.092	52.406	87.487	50.235	95.473	52.434
9.4	94.481	52.079	52.406	87.487	50.235	95.476	52.434
9.6	94.481	52.085	52.406	87.487	50.229	95.476	52.434
9.8	94.481	52.079	52.409	87.487	50.229	95.473	52.434
10	94.481	52.07	52.406	87.487	50.229	95.473	52.434
12	94.484	52.029	52.409	87.487	50.229	95.476	52.427

Test 5, Step 0 MW-28D Overnight recovery Start: 12/8/99 17:33 Stop: 12/9/99 7:13

Elapsed Time	MW28	MW28D	MW29D	MW30	MW30D	MW34	MW34I
0	94.484	46.647	52.403	87.487	50.235	95.476	52.434
0.0083	94.484	46.657	52.403	87.487	50.229	95.476	52.427
0.0166	94.481	46.654	52.403	87.487	50.235	95.476	52.427
0.025	94.481	46.663	52.403	87.484	50.229	95.476	52.421
0.0333	94.481	46.676	52.403	87.484	50.229	95.473	52.421
0.0416	94.481	46.698	52.403	87.487	50.229	95.473	52.421
0.05	94.481	46.707	52.403	87.484	50.229	95.469	52.421
0.0583	94.481	46.733	52.403	87.484	50.229	95.469	52.421
0.0666	94.481	46.78	52.403	87.484	50.229	95.469	52.421
0.075	94.481	46.818	52.403	87.484	50.235	95.469	52.421
0.0833	94.481	46.825	52.403	87.484	50.229	95,469	52.421
0.0916	94.481	46.85	52.403	87.484	50.235	95.469	52.421
0.1	94.481	46.878	52.403	87.484	50.229	95.473	52.421
0.1083	94.481	46.894	52.403	87.484	50.235	95.469	52.421
0.1166	94.481	46.904	52.403	87.484	50.229	95.469	52.421
0.125	94.481	46.929	52,403	87.487	50.235	95.469	52,421
0.1333	94.481	46.951	52.403	87.484	50.229	95.469	52.421
0.1416	94.481	46.954	52.406	87.484	50.229	95.469	52.421
0.15	94.481	46.97	52.403	87.484	50.229	95.469	52.421
0.1583	94.481	46.989	52.403	87.487	50.229	95.469	52.421
0.1666	94.481	46.999	52.403	87.487	50.229	95.469	52.421
0.175	94.481	47.024	52.406	87.487	50.229	95.469	52.421
0.1833	94.481	47.014	52.403	87.487	50.235	95.469	52.421
0.1916	94.481	47.03	52.403	87.487	50.235	95.469	52.421
0.2	94.481	47.043	52.406	87.487	50.229	95.469	52.421
0.2083	94.481	47.056	52.403	87.487	50.229	95.469	52.421
0.2166	94.481	47.059	52.406	87.487	50.229	95.469	52.415
0.225	94.481	47.075	52.403	87.487	50.229	95.469	52.421
0.2333	94.481	47.081	52.403	87.487	50.229	95.469	52.421
0.2416	94.481	47.087	52.403	87.487	50.235	95.469	52.421
0.25	94.481	47.1	52.403	87.487	50.229	95.469	52.421
0.2583	94.481	47.109	52.403	87.487	50.229	95.469	52.421
0.2666	94.481	47.119	52.403	87.487	50.229	95.469	52.421
0.275	94.481	47.125	52,403	87.487	50.235	95.469	52.421
0.2833	94.481	47.128	52.403	87.487	50.229	95.469	52.421
0.2916	94.481	47.128	52.403	87.487	50.235	95.469	52.421
0.3	94.481	47.138	52.403	87.487	50.229	95.469	52.421
0.3083	94.481	47.147	52.406	87.487	50.229	95.469	52.421
0.3166	94.481	47.154	52.403	87.487	50.235	95,469	52.421
0.3100	94.481	47.15	52.403	87.487	50.229		
0.3333	94.481	47.157	52.403	87.487	50.229	95.469 95.469	52.421
0.335	94.481	47.166	52.403	87.487	50.229	95.469	52.421 52.421
0.3666	94.481	47.166	52.406	87.487	50.229	95.469	52.421

APPENDIX U Step-Rate Pumping Test Raw Groundwater Elevation Data Ortho-Clinical Diagnostics, Inc.

0.000	0.404	17.150				05.450	
0.3833	94.481	47.169	52.403	87.487	50.229	95.469	52.421
0.4 0.4166	94.481 94.481	47.176	52.403	87.487 87.487	50.229	95.469 95.469	52.421
0.4333	94.481	47.176 47.182	52.406 52.406	87.487	50.229	95.469	52.421 52.421
0.45	94.481	47.182	52.406	87.487	50.229	95.469	52.421
0.4666	94.481	47.185	52.406	87.487	50.229	95.469	52.421
0.4833	94.481	47.182	52,406	87.487	50.229	95.469	52.421
0.4055	94.481	47.182	52,406	87.487	50.229	95,469	52.421
0.5166	94,481	47.179	52.403	87.487	50.229	95,469	52.421
0.5333	94.481	47.179	52.406	87.487	50.229	95.469	52.421
0.55	94.481	47.173	52,406	87.487	50.229	95.469	52.415
0.5666	94.481	47.173	52.406	87.487	50.229	95,469	52,415
0.5833	94,484	47.169	52,403	87.487	50.229	95,469	52.415
0.6	94.481	47.166	52.406	87.487	50.229	95.469	52.415
0.6166	94.481	47.163	52.406	87.487	50.229	95.469	52.421
0.6333	94.484	47.157	52.406	87.487	50.229	95.469	52.421
0.65	94.484	47.154	52.406	87.487	50.229	95.469	52.421
0.6666	94.481	47.147	52.406	87.487	50.229	95.469	52.421
0.6833	94.484	47.144	52.406	87.487	50.229	95.469	52.421
0.7	94.481	47.138	52.406	87.487	50.229	95.469	52.421
0.7166	94.481	47.131	52.403	87.487	50.229	95.469	52.421
0.7333	94.484	47.128	52.406	87.487	50.229	95.469	52.421
0.75	94.481	47.125	52.403	87.487	50.229	95.469	52.427
0.7666	94.481	47.119	52.406	87.487	50.229	95.469	52.427
0.7833	94.484	47.116	52.403	87.487	50.229	95.469	52.434
0.8	94.481	47.112	52.406	87.487	50.229	95.469	52.427
0.8166	94.481	47.109	52.403	87.487	50.229	95.469	52.421
0.8333	94.481	47.106	52.403	87.487	50.229	95.469	52.427
0.85	94.481	47.103	52.406	87.487	50.229	95.469	52.427
0.8666	94.481	47.103	52.406	87.487	50.229	95.469	52.421
0.8833	94.481	47.1	52.406	87.487	50.229	95.469	52.421
0.9	94.481	47.097	52.406	87.487	50.229	95.469	52.421
0.9166	94.481	47.09	52.403	87.487	50.229	95.469	52.427
0.9333	94.481 94.481	47.087 47.084	52.406 52.406	87.487 87.487	50.229 50.229	95.469 95.473	52.427 52.427
0.9666	94.481	47.084	52.406	87.487	50.229	95.469	52.427
0.9833	94.481	47.075	52.406	87.487	50.229	95.469	52.427
1	94.481	47.071	52.406	87.487	50.229	95.469	52.427
1.2	94.484	47.071	52.403	87.487	50.229	95.473	52.434
1.4	94,484	47.071	52,403	87.487	50.229	95,473	52,434
1.6	94.481	47.075	52.403	87,487	50.229	95.473	52.427
1.8	94,484	47.081	52.403	87.487	50.229	95,473	52.427
2	94.481	47.087	52.399	87,487	50.229	95,473	52,427
2.2	94,484	47.094	52.399	87.487	50.229	95.457	52.421
2.4	94.481	47.097	52.399	87.487	50.229	95.469	52.427
2.6	94.481	47,103	52.399	87.487	50.229	95.473	52.421
2.8	94.484	47.109	52.399	87.487	50.229	95.473	52.421
3	94.481	47.116	52.399	87.487	50.229	95.469	52.427
3.2	94.484	47.119	52.399	87.487	50.229	95.469	52.421
3.4	94.481	47.125	52.399	87.487	50.229	95.469	52.421
3.6	94.484	47.128	52.399	87.487	50.229	95.469	52.421
3.8	94.484	47.135	52.399	87.487	50.229	95.469	52.421
4	94.484	47.138	52.399	87.487	50.229	95.469	52.421
4.2	94.481	47.144	52.399	87.491	50.229	95.469	52.421
4.4	94.484	47.147	52.399	87.487	50.229	95.469	52.421
4.6	94.481	47.15	52.399	87.487	50.229	95.469	52.421
4.8	94.481	47.157	52.399	87.487	50.229	95.469	52.421
5	94.481	47.157	52.399	87.487	50.229	95.469	52.421
5.2	94.481	47.16	52.399	87.487	50.229	95.469	52.421
5.4	94.484	47.166	52.396	87,487	50.229	95.469	52.421
5.6	94.481	47.166	52.396	87.487	50.229	95.469	52.421
5.8	94.484	47.173	52.396	87.487	50.229	95.469	52.421
6	94.481	47.176	52.396	87.487	50.229	95.469	52.415
6.2	94.481	47.179	52.396	87.487	50.229	95.469	52.415
6.4	94.484	47.182	52.396	87.487	50.229	95.469	52.415
		17 105	50.000	07 407	50.000	06.466	50 41E
6.6 6.8	94.481 94.481	47.185 47.188	52.396 52.393	87.487 87.487	50.229 50.229	95.469 95.469	52.415 52.415

7	94.484	47.192	52.396	87.487	50.229	95.469	52.415
7.2	94.481	47.195	52.396	87.487	50.229	95.469	52.415
7.4	94.481	47.198	52.396	87.487	50.229	95.469	52.415
7.6	94.481	47.198	52.396	87.491	50.229	95.469	52.415
7.8	94.484	47.204	52.393	87.487	- 50.229	95.469	52.415
8	94.481	47.204	52.393	87.487	50.229	95.469	52.415
8.2	94.481	47.207	52.393	87.487	50.229	95.469	52.415
8.4	94.481	47.211	52.393	87.487	50.229	95.469	52.415
8.6	94.481	47.214	52.393	87.487	50.222	95.469	52.415
8.8	94.481	47.214	52.393	87.487	50.222	95.469	52.415
9	94.481	47.217	52.393	87.487	50.229	95.469	52.415
9.2	94.481	47.22	52.393	87.487	50.229	95.469	52.415
9.4	94.481	47.223	52.393	87.487	50.229	95.469	52.415
9.6	94.484	47.223	52.393	87.487	50.229	95.469	52.415
9.8	94.481	47.226	52.393	87.487	50,222	95.469	52.415
10	94.481	47.217	52.393	87.487	50.222	95.469	52.415
12	94.481	47.239	52.393	87.487	50.222	95.469	52.415
14	94.481	47.258	52.387	87.487	50.222	95.469	52,409
16	94.481	47.277	52.39	87.487	50.222	95.469	52.409
18	94.484	47.29	52.387	87.487	50.222	95.469	52.402
20	94.481	47.305	52.384	87.487	50.216	95.469	52.402
22	94.481	47.315	52.381	87.487	50.216	95.469	52.402
24	94.481	47.328	52.378	87.487	50.216	95.469	52.402
26	94.481	47.34	52.374	87.487	50.216	95.469	52.396
28	94.481	47.35	52.374	87.487	50.216	95.469	52.396
30	94.481	47.362	52.368	87.487	50.216	95.469	52.396
32	94.481	47.372	52.368	87.487	50.216	95.466	52.39
34	94.481	47.385	52.371	87.487	50.216	95.469	52.396
36	94.481	47.394	52.368	87.491	50.216	95.469	52.396
38	94.477	47.4	52.365	87.491	50.216	95.469	52.396
40	94.477	47.407	52.365	87.487	50.21	95.469	52.39
42	94.477	47.416	52.362	87.487	50.21	95.469	52.39
44	94.477	47.426	52.359	87.487	50.21	95.469	52.39
46	94.477	47.426	52.352	87.487	50.21	95.469	52.383
48	94.477	47.435	52.352	87.487	50.21	95.469	52.383
50	94.474	47.438	52.349	87.487	50.203	95.466	52.383
52	94.477	47.448	52.346	87.487	50.203	95.466	52.377
54	94.474	47.454	52.346	87.491	50.203	95.466	52.383
56	94.477	47.461	52.346	87.491	50.203	95.469	52.383
58	94.477	47.467	52.343	87.487	50.203	95.469	52.383 52.383
60	94.474	47.473	52.343	87.491	50.203 50.203	95.469 95.469	52.377
62	94.474	47.48	52.34 52.337	87.491 87.491	50.203	95.466	52.377
64	94.474	47.483				95.466	52.377
66	94.474	47.486	52.334	87.491 87.491	50.197 50.197	95.466	52.371
68	94.474	47.489 47.492	52.331 52.331	87.491 87.491	50.197	95.469	52.377
70	94.474		52.331	87.491 87.491	50.197	95.469	52.371
72	94.474	47.495 47.502	52.327	87.491 87.491	50.197	95.469	52.371
· 74 76	94.474 94.474	47.508	52.324	87.491	50.197	95.469	52.371
78	94.474	47.508	52.324	87.491	50.197	95.469	52.371
80	JT.T/T	77.300	52.324	87.487			
ąυ	Q4 A7A	47 51 1	JL.JL1		1 301301	95.469 I	52 371
	94.474 94.474	47.511 47.514	52 31 g		50.191	95.469 95.469	52.371 52.364
82	94.474	47.514	52.318 52.315	87.491	50.191	95.469	52.364
82 84	94.474 94.471	47.514 47.517	52.315	87.491 87.491	50.191 50.191	95.469 95.469	52.364 52.364
82 84 86	94.474 94.471 94.474	47.514 47.517 47.521	52.315 52.312	87.491 87.491 87.491	50.191 50.191 50.191	95.469 95.469 95.469	52.364 52.364 52.364
82 84 86 88	94.474 94.471 94.474 94.474	47.514 47.517 47.521 47.524	52.315 52.312 52.309	87.491 87.491 87.491 87.491	50.191 50.191 50.191 50.191	95.469 95.469 95.469 95.466	52.364 52.364 52.364 52.358
82 84 86 88 90	94.474 94.471 94.474 94.474 94.474	47.514 47.517 47.521 47.524 47.527	52.315 52.312 52.309 52.309	87.491 87.491 87.491 87.491 87.491	50.191 50.191 50.191 50.191 50.184	95.469 95.469 95.469 95.466 95.466	52.364 52.364 52.364 52.358 52.358
82 84 86 88 90 92	94.474 94.471 94.474 94.474 94.474 94.474	47.514 47.517 47.521 47.524 47.527 47.53	52.315 52.312 52.309 52.309 52.306	87.491 87.491 87.491 87.491 87.491 87.494	50.191 50.191 50.191 50.191 50.184 50.184	95.469 95.469 95.469 95.466 95.466 95.466	52.364 52.364 52.364 52.358 52.358 52.358
82 84 86 88 90 92	94.474 94.471 94.474 94.474 94.474 94.474 94.471	47.514 47.517 47.521 47.524 47.527 47.53 47.53	52.315 52.312 52.309 52.309 52.306 52.302	87.491 87.491 87.491 87.491 87.491 87.494 87.494	50.191 50.191 50.191 50.191 50.184 50.184 50.184	95.469 95.469 95.469 95.466 95.466 95.469 95.469	52.364 52.364 52.364 52.358 52.358 52.358 52.358
82 84 86 88 90 92 94	94.474 94.471 94.474 94.474 94.474 94.474 94.471 94.471	47.514 47.517 47.521 47.524 47.527 47.53 47.533 47.536	52.315 52.312 52.309 52.309 52.306 52.302 52.299	87.491 87.491 87.491 87.491 87.491 87.494 87.494 87.491	50.191 50.191 50.191 50.191 50.184 50.184 50.184 50.184	95.469 95.469 95.466 95.466 95.466 95.469 95.469	52.364 52.364 52.364 52.358 52.358 52.358 52.358 52.358
82 84 86 88 90 92 94 96	94.474 94.471 94.474 94.474 94.474 94.474 94.471 94.471 94.471	47.514 47.517 47.521 47.524 47.527 47.53 47.533 47.536 47.543	52.315 52.312 52.309 52.309 52.306 52.302 52.299 52.299	87.491 87.491 87.491 87.491 87.491 87.494 87.494 87.491 87.494	50.191 50.191 50.191 50.191 50.184 50.184 50.184 50.184 50.178	95.469 95.469 95.466 95.466 95.466 95.469 95.469 95.466 95.469	52.364 52.364 52.364 52.358 52.358 52.358 52.358 52.358 52.358 52.358
82 84 86 88 90 92 94 96 98	94.474 94.471 94.474 94.474 94.474 94.474 94.471 94.471 94.471 94.471	47.514 47.517 47.521 47.524 47.527 47.53 47.533 47.536 47.543 47.546	52.315 52.312 52.309 52.309 52.306 52.302 52.299 52.299 52.296	87.491 87.491 87.491 87.491 87.491 87.494 87.491 87.491 87.494 87.491	50.191 50.191 50.191 50.191 50.184 50.184 50.184 50.184 50.178	95.469 95.469 95.466 95.466 95.466 95.469 95.469 95.469 95.469	52.364 52.364 52.364 52.358 52.358 52.358 52.358 52.358 52.358 52.358 52.358
82 84 86 88 90 92 94 96 98 100	94.474 94.471 94.474 94.474 94.474 94.474 94.471 94.471 94.471 94.471 94.465	47.514 47.517 47.521 47.524 47.527 47.53 47.533 47.536 47.543 47.546 47.568	52.315 52.312 52.309 52.309 52.306 52.302 52.299 52.299 52.296 52.28	87.491 87.491 87.491 87.491 87.491 87.494 87.491 87.491 87.494 87.491 87.491	50.191 50.191 50.191 50.191 50.184 50.184 50.184 50.184 50.178 50.178 50.178	95.469 95.469 95.466 95.466 95.466 95.469 95.469 95.466 95.466	52.364 52.364 52.364 52.358 52.358 52.358 52.358 52.358 52.358 52.358 52.358 52.358
82 84 86 88 90 92 94 96 98 100 120	94.474 94.471 94.474 94.474 94.474 94.474 94.471 94.471 94.471 94.471 94.465 94.462	47.514 47.517 47.521 47.524 47.527 47.53 47.533 47.536 47.543 47.546 47.568 47.584	52.315 52.312 52.309 52.309 52.306 52.302 52.299 52.299 52.296 52.28 52.259	87.491 87.491 87.491 87.491 87.491 87.494 87.491 87.491 87.494 87.491 87.491	50.191 50.191 50.191 50.191 50.184 50.184 50.184 50.184 50.178 50.178 50.178 50.165 50.159	95.469 95.469 95.466 95.466 95.469 95.469 95.469 95.466 95.466 95.466	52.364 52.364 52.364 52.358 52.358 52.358 52.358 52.358 52.358 52.358 52.352 52.346 52.333
82 84 86 88 90 92 94 96 98 100 120 140	94.474 94.471 94.474 94.474 94.474 94.474 94.471 94.471 94.471 94.471 94.465 94.462 94.458	47.514 47.517 47.521 47.524 47.527 47.53 47.533 47.536 47.543 47.546 47.568 47.584 47.597	52.315 52.312 52.309 52.309 52.306 52.302 52.299 52.299 52.296 52.28 52.259 52.24	87.491 87.491 87.491 87.491 87.491 87.494 87.491 87.491 87.494 87.491 87.491 87.491	50.191 50.191 50.191 50.191 50.184 50.184 50.184 50.178 50.178 50.178 50.165 50.159 50.146	95.469 95.469 95.466 95.466 95.469 95.469 95.469 95.466 95.466 95.466 95.469	52.364 52.364 52.364 52.358 52.358 52.358 52.358 52.358 52.358 52.358 52.352 52.346 52.333 52.32
82 84 86 88 90 92 94 96 98 100 120	94.474 94.471 94.474 94.474 94.474 94.474 94.471 94.471 94.471 94.471 94.465 94.462	47.514 47.517 47.521 47.524 47.527 47.53 47.533 47.536 47.543 47.546 47.568 47.584	52.315 52.312 52.309 52.309 52.306 52.302 52.299 52.299 52.296 52.28 52.259	87.491 87.491 87.491 87.491 87.491 87.494 87.491 87.491 87.494 87.491 87.491	50.191 50.191 50.191 50.191 50.184 50.184 50.184 50.184 50.178 50.178 50.178 50.165 50.159	95.469 95.469 95.466 95.466 95.469 95.469 95.469 95.466 95.466 95.466	52,364 52,364 52,364 52,358

240	94.468	47.635	52.18	87.491	50.108	95.469	52,289
260	94.474	47.631	52.165	87.494	50.103	95.466	52.276
280	94.477	47.631	52.146	87.494	50.089	95.466	52.264
300	94.481	47.635	52.140	87.494	50.083	95.463	52.251
320	94.484	47.635	52.118	87.497	50.083	95.466	52.251
340	94.49	47.635	52.118	87.497	50.058	95.466	52.238
360	94.493	47.631	52.093	87.497	50.051	95.466	52.226
380	94.493	47.635	52.083	87.497	50.031	95.466	52.226
400	94,496	47.635	52.083	87.5	50.039	95.469	52.220
420	94.499	47.635	52.099	87.5	50.039	95.469	
440	94.503	47.635					52.232
			52.118	87.503	50.026	95.473	52.251
460	94.503	47.638	52.14	87.503	50.026	95.469	52.257
480	94.506	47.641	52.158	87.503	50.02	95.469	52.27
500	94.506	47.641	52.183	87.503	50.026	95.473	52.283
520	94.509	47.644	52.202	87.506	50.032	95.473	52.295
540	94.509	47.647	52.227	87.506	50.032	95.473	52.308
560	94.509	47.657	52.255	87.51	50.039	95.476	52.327
580	94.512	47.663	52.28	87.51	50.045	95.476	52.339
600	94.512	47.666	52.309	87.513	50.058	95.479	52.364
620	94.512	47.673	52.331	87.513	50.064	95.479	52.377
640	94.512	47.676	52.352	87.516	50.064	95.482	52.39
660	94.512	47.676	52.374	87.516	50.07	95.482	52.396
680	94.512	47.688	52.403	87.516	50.077	95.482	52.415
700	94.515	47.695	52.424	87.519	50.089	95.485	52.427
720	94.515	47.704	52.45	87.516	50.096	95.485	52.446
740	94.515	47.704	52.468	87.519	50.108	95.488	52.459
760	94.515	47.707	52.484	87.519	50.108	95.488	52.465
780	94.515	47.714	52.503	87.519	50.115	95.488	52.472
800	94.515	47.726	52.518	87.519	50.127	95.492	52.484
820	94.515	47.72	52.506	87.522	50.127	95.492	52.478

Test 6, Step 0 MW-28D Pump test (4.9 gpm) Start: 12/9/99 9:08 Stop: 12/9/99 10:20

tart: 12/9/99 9:08							
Elapsed Time	MW28	MW28D	MW29D	MW30	MW30D	MW34	MW34D
0	94.525	47.499	52.409	87.525	50.102	95.479	52.409
0.0083	94.522	47.334	52.409	87.525	50.102	95.479	52.402
0.0166	94.525	47.182	52.409	87.525	50.102	95.479	52.402
0.025	94.522	47.033	52.409	87.525	50.102	95.479	52.402
0.0333	94.522	46.938	52.409	87.525	50.102	95.479	52.402
0.0416	94.522	46.907	52.409	87.525	50.102	95.479	52.402
0.05	94.522	46.84	52.409	87.525	50.102	95.479	52.402
0.0583	94.522	46.764	52.409	87.525	50.102	95.479	52.402
0.0666	94.522	46.603	52.406	87.525	50.102	95.479	52.402
0.075	94.525	46.473	52.406	87.525	50.102	95.479	52.402
0.0833	94.525	46.394	52.409	87.525	50.102	95.479	52.396
0.0916	94.522	46.318	52.409	87.525	50.102	95.479	52.396
0.1	94.522	46.344	52.409	87.525	50.102	95.479	52.396
0.1083	94.522	46.274	52.409	87.525	50.102	95.479	52.396
0.1166	94.522	46.195	52.409	87.525	50.102	95.479	52.396
0.125	94.525	46.119	52.406	87.525	50.102	95.479	52.402
0.1333	94.522	46.008	52.406	87.525	50.102	95.479	52.396
0.1416	94.522	45.986	52.406	87.525	50.102	95.479	52.396
0.15	94.522	46.027	52.409	87.525	50.102	95.479	52.396
0.1583	94.522	45.967	52.406	87.525	50.102	95.479	52.396
0.1666	94.522	45.891	52.406	87.522	50.102	95.479	52.402
0.175	94.522	45.793	52.406	87.525	50.102	95.479	52.396
0.1833	94.522	45.746	52.406	87.525	50.102	95.479	52.396
0.1916	94.525	45.594	52.406	87.525	50.102	95.479	52.396
0.2	94.522	45.749	52.406	87.525	50.102	95.479	52.396
0.2083	94.522	45.771	52.406	87.525	50.102	95.479	52.396
0.2166	94.522	45.673	52.409	87.525	50.102	95.479	52.396
0.225	94.522	45.61	52.406	87.525	50.102	95.479	52.396
0.2333	94.525	45.426	52.406	87.525	50.102	95.479	52.396
0.2416	94.525	45.584	52.406	87.525	50.102	95.479	52.396
0.25	94.522	45.657	52.406	87.522	50.102	95.479	52.396
0.2583	94.522	45.72	52.406	87.525	50.102	95.479	52.396
0.2666	94.522	45.489	52.406	87.525	50.102	95.479	52.396

0.275	94.525	45.527	52.406	87.525	50 102	95.479	52.396
0.273	94.523	45.391	52.406 52.406	87.525	50.102	95.479	52.396
0.2833	94.522	45.723	52.406	87.522	50.102	95.479	52.396
0.3	94.522	45.578	52.406	87.525	50.102	95.479	52.396
0.3083	94.522	45.527	52.406	87.525	50.102	95,479	52.396
0.3166	94.522	45.505	52.406	87.525	50.102	95.479	52.396
0.325	94.525	45.578	52.406	87.525	50.102	95.479	52.396
0.3333	94.522	45.603	52.406	87.525	50.102	95.479	52.396
0.35	94.522	45.496	52.406	87.525	50.102	95.479	52.396
0.3666	94.522	45.527	52.406	87.525	50.102	95.479	52.396
0.3833	94.522	45.227	52.406	87.525	50.102	95.479	52.396
0.3833	94.522	45.325	52.406	87.525	50.102	95.479	52.396
0.4166	94.522	45.366	52.406	87.525	50.102	95.479	52.396
0.4333	94.522	45.144	52.403	87.525	50.102	95,479	52.402
0.45	94.522	45.081	52.406	87.525	50.102	95.479	52.396
0.4666	94.522	44.986	52.406	87.525	50.102	95.479	52.396
0.4833	94.522	45.04	52.403	87.525	50.102	95.479	52.396
0.4855	94.522	45.132	52.406	87.525	50.102	95.479	52.396
0.5166	94.522	45.198	52.406	87.525	50.102	95.479	52.396
0.5333	94.522	45.135	52.406	87.525	50.102	95.479	52.396
0.55	94.522	45.189	52.406	87.525	50.102	95.479	52.396
0.5666	94.522	45.179	52.403	87.525	50.102	95.479	52.396
0.5833	94.522	45.217	52.403	87.525	50.102	95.479	52.396
0.6	94.522	45.179	52.403	87.525	50.102	95.479	52.402
0.6166	94.522	44.948	52.403	87.525	50.102	95.479	52.396
0.6333	94.522	45.144	52.403	87.525	50.102	95.479	52.402
0.65	94.522	45.157	52.403	87.525	50.102	95.479	52.396
0.6666	94.525	45.031	52.403	87.525	50.102	95.479	52.396
0.6833	94.522	44.917	52.403	87.525	50.102	95.479	52.396
0.7	94.522	44.951	52.403	87.525	50.102	95.479	52.396
0.7166	94.522	44.907	52.403	87.525	50.102	95.479	52.396
0.7333	94.522	45.094	52.403	87.525	50.102	95.479	52.396
0.75	94.522	44.882	52.403	87.525	50.102	95.479	52.396
0.7666	94.522	45.034	52.403	87.525	50.102	95.479	52.396
0.7833	94.522	45.018	52.403	87.525	50.102	95.479	52.396
0.8	94.522	45.04	52.403	87.525	50.102	95.479	52.396
0.8166	94.522	45.091	52.403	87.525	50.102	95.479	52.396
0.8333	94.522	44.875	52.403	87.525	50.102	95.479	52.396
0.85	94.525	45.129	52.403	87.525	50.102	95.479	52.396
0.8666	94.522	44.847	52.403	87.525	50.102	95.479	52.396
0.8833	94.522	45.072	52.403	87.525	50.102	95.479	52.396
0.9	94.522	45.16	52.403	87.525	50.102	95.479	52.396
0.9166	94.522	45.167	52.403	87.522	50.102	95.479	52.396
0.9333	94.525	45.303	52,403	87.525	50.102	95.479	52.396
0.95	94.522	45.347	52.403	87.525	50.102	95.479	52.396
0.9666	94.522	45.41	52.403	87.525	50.102	95.479	52.396
0.9833	94.522	45.515	52.403	87.525	50.102	95.479	52.396
1	94.525	45.587	52.403	87.522	50.102	95.479	52.396
1.2	94.522	46.287	52.403	87.525	50.102	95.482	52.402
1.4	94.522	46.619	52.403	87.525	50.096	95.479	52.402
1.6	94.522	46.692	52.406	87.525	50.102	95.479	52.402
1.8	94.522	46.787	52.406	87.525	50.102	95.482	52.402
2	94.522	46.85	52.406	87.525	50.102	95.479	52.402
2.2	94.522	46.885	52.406	87.525	50.102	95.479	52.402
2.4	94.522	46.815	52.406	87.525	50.102	95.479	52.402
2.6	94.522	46.73	52.403	87.525	50.102	95.479	52.396
2.8	94.525	46.793	52.403	87.525	50.102	95.479	52.402
	94.525	46.802	52.406	87.525	50.102	95.482	52.402
3		46.66	52.409	87.525	50.102	95.482	52.402
3.2	1 94 1/8		1 22.102				52.409
3.2	94.528	 	52 412	רירוא ו	10.10	י ראבע ו	37.4119
3.2 3.4	94.522	46.723	52.412 52.415	87.525 87.525	50.108	95.485 95.485	
3.2 3.4 3.6	94.522 94.522	46.723 46.59	52.415	87.525	50.108	95.485	52.409
3.2 3.4 3.6 3.8	94.522 94.522 94.525	46.723 46.59 46.293	52.415 52.415	87.525 87.525	50.108 50.108	95.485 95.485	52.409 52.409
3.2 3.4 3.6 3.8 4	94.522 94.522 94.525 94.525	46.723 46.59 46.293 45.078	52.415 52.415 52.415	87.525 87.525 87.525	50.108 50.108 50.108	95.485 95.485 95.485	52.409 52.409 52.409
3.2 3.4 3.6 3.8 4 4.2	94.522 94.522 94.525 94.525 94.525	46.723 46.59 46.293 45.078 44.433	52.415 52.415 52.415 52.415	87.525 87.525 87.525 87.525	50.108 50.108 50.108 50.108	95.485 95.485 95.485 95.485	52.409 52.409 52.409 52.409
3.2 3.4 3.6 3.8 4	94.522 94.522 94.525 94.525	46.723 46.59 46.293 45.078	52.415 52.415 52.415	87.525 87.525 87.525	50.108 50.108 50.108	95.485 95.485 95.485	52.409 52.409 52.409

5	94.525	44.29	52.415	87.525	50.108	95.485	52,402
5.2	94.525	44.752	52.412	87.525	50.102	95.482	52.402
5.4	94.525	44.983	52.409	87.525	50.102	95.482	52.402
5.6	94.525	45.154	52.406		50.102		
5.8	94.525	45.831		87.525		95.482	52.396
	94.525		52.403	87.525	50.102	95.482	52.396
6.2		46.157	52.399	87.525	50.096	95.482	52.396
	94.525	46.271	52.403	87.525	50.102	95.482	52.396
6.4	94.525	46.163	52.399	87.525	50.096	95.482	52.396
6.6	94.525	46.236	52.399	87.525	50.102	95.482	52.396
6.8	94.525	46.17	52.403	87.525	50.102	95.482	52.396
7	94.525	46.442	52.403	87.525	50.102	95.485	52.396
7.2	94.525	46.331	52.403	87.525	50.102	95.482	52.396
7.4	94.525	46.35	52.406	87.525	50.102	95.482	52.396
7.6	94.525	46.271	52.403	87.525	50.102	95.482	52.396
7.8	94.525	46.182	52.406	87.525	50.102	95.482	52.39
8	94.525	46.331	52.406	87.525	50.102	95.482	52.39
8.2	94.525	46.331	52.403	87.525	50.102	95.482	52.39
8.4	94.525	46.467	52.403	87.525	50.102	95.482	52.39
8.6	94.525	46.47	52.406	87.525	50.102	95.482	52.39
8.8	94.525	46.397	52.406	87.525	50.102	95.482	52.39
9	94.525	46.429	52.403	87.525	50.102	95.482	52.39
9.2	94.525	46.495	52.403	87.525	50.102	95.482	52.39
9.4	94.522	46.435	52.403	87.525	50.102	95.482	52.39
9.6	94.525	46.306	52.403	87.525	50.102	95.482	52.39
9.8	94.525	46.445	52.403	87.525	50.102	95.482	52.39
10	94.525	46.337	52.403	87.525	50.102	95.482	52.383
12	94.525	46.277	52.403	87.525	50.096	95.485	52.383
14	94.525	46.233	52.403	87.525	50.096	95.485	52.377
16	94.525	46.29	52.399	87.525	50.102	95.482	52.371
18	94.525	46.097	52.39	87.525	50.102	95.482	52.364
20	94.525	46.22	52.39	87.525	50.096	95.482	52.358
22	94.525	46.17	52.393	87.525	50.096	95.485	52.358
24	94.525	46.081	52.393	87.525	50.096	95.485	52.352
26	94.525	46.179	52.406	87.525	50.102	95.492	52.358
28	94.525	46.021	52.39	87.525	50.096	95.485	52.352
30	94.525	45.92	52.384	87.525	50.096	95.482	52.339
32	94.522	46.027	52.378	87.525	50.096	95.482	52.333
34	94.522	45.954	52.378	87.525	50.102	95.485	52.333
36	94.525	45.897	52.381	87.525	50.096	95.485	52.32
38	94.522	45.996	52.378	87.525	50.096	95.482	52.314
40	94.522	45.923	52.378	87.525	50.096	95.485	52.314
42	94.522	45.948	52.374	87.525	50.096	95.485	52.314
44	94.522	45.796	52.378	87.525	50.096	95.488	52.314
46	94.525	45.739	52.378	87.525	50.096	95.492	52.308
48	94.525	45.793	52.378	87.525	50.102	95.492	52.308
50	94.522	45.768	52.371	87.525	50.102	95.492	52.301
52	94.525	45.765	52.368	87.525	50.102	95.488	52.295
54	94.522	45.809	52.368	87.525	50.102	95.488	52.289
56	94.522	45.597	52.362	87.525	50.102	95.488	52.283
58	94.522	45.679	52.362	87.525	50.102	95.492	52.283
60	94.522	45.613	52.356	87.525	50.102	95.488	52.276
62	94.522	45,708	52.356	87.525	50.096	95.488	52.264
64	94.522	45.638	52.378	87.525	50.108	95.498	52.283
66	94.522	45.537	52.343	87.525	50.096	95.488	52.257
68	94.522	45.556	52.343	87.528	50.096	95.488	52.238
70	94.522	45.521	52.34	87.525	50.096	95.488	52.238
72	94.518	45.546	52.34	87.528	50.089	95.492	52.238
	27.310	73.340	J2.J4	07.320	کون.0c	73.472	22.230

Test 6, Step 1 MW-28D Pump test (10 gpm) Start: 12/9/99 10:20 Stop: 12/9/99 11:20

Elapsed Time	MW28	MW28D	MW29D	MW30	MW30D	MW34	MW34D
0[94.518	45.483	52.334	87.525	50.102	95.488	52.238
0.0083	94.518	45.483	52.331	87.528	50.096	95.488	52.232
0.0166	94.518	45.318	52.334	87.528	50.102	95.488	52.232
0.025	94.518	45.413	52.331	87.528	50.096	95.488	52.226
0.0333	94.518	45.407	52.331	87.525	50.096	95.488	52.226
0.0416	94.518	45.344	52.334	87.525	50.096	95.488	52.226

Step-Rate Pumping Test Raw Groundwater Elevation Data Ortho-Clinical Diagnostics, Inc.

Raritan,	New	Jersey
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0.05	94.518	45.379	52.331	87.528	50.102	95.488	52.226
0.0583	94.518 94.518	45.271	52.331	87.528	50.102	95.488	52.226
0.0666		45.287	52.331	87.528	50.096	95.488	52.226
0.075	94.518	45.388	52.331	87.525	50.096	95.488	52.226
0.0916	94.518 94.518	45.217 45.315	52.331	87.525 87.525	50.096	95.488 95.488	52.226 52.226
			52.331	-	50.102		
0.1	94.518	45.312	52.331	87.525	50.102	95.488	52.226
0.1065	94.518 94.518	45.195 45.318	52.331 52.331	87.528 87.525	50.096 50.102	95.488 95.488	52.226 52.226
				87.528 87.528			
0.125 0.1333	94.518	45.211	52.331		50.102 50.096	95.488	52.226 52.226
	94.518	45.154 45.265	52.331 52.331	87.528		95.488 95.488	
0.1416	94.518	45.263		87.525 87.528	50.096		52.226 52.226
0.15 0.1583	94.518 94.518	45.236	52.331 52.331	87.528	50.096 50.096	95.488 95.485	52.226
0.1666	94.518	45.201	52.331	87.528	50.096	95.488	52.226
0.1000	94.518	45.138	52.331	87.525	50.096	95.485	52.226
0.173	94.518	45.208	52.331	87.528	50.102	95.488	52.226
0.1916	94.518	45.163	52.331	87.525	50.096	95.488	52.226
0.1910	94.518	45.144	52.331	87.528	50.102	95.488	52.226
0.2083	94.518	45.255	52.331	87.525	50.102	95.485	52.226
0.2065	94.518	45.056	52.331	87.528	50.102	95.488	52.226
0.2166	94.518	45.106	52.331	87.528	50.102	95.488	52.226
0.2333	94.518	45.100	52.331	87.525	50.102	95.488	52.226
0.2416	94.518	45.005	52.331	87.525	50.096	95.488	52.226
0.25	94.518	45.122	52.331	87.525	50.102	95.488	52.226
0.2583	94.518	45.084	52.331	87.525	50.102	95.488	52.226
0.2666	94.518	45.024	52.331	87.525	50.096	95.488	52.226
0.275	94.518	45.138	52.331	87.528	50.102	95.488	52.226
0.2833	94.518	45.05	52.331	87.525	50.102	95.488	52.226
0.2916	94.518	45.037	52.331	87.528	50.102	95.488	52.226
0.3	94.518	45.167	52.331	87.525	50.102	95.488	52.226
0.3083	94.518	45.008	52.331	87.525	50.102	95.488	52.226
0.3166	94,518	45.065	52.331	87.525	50.102	95.488	52.226
0.325	94.518	45.068	52.331	87.528	50.102	95.488	52.226
0.3333	94.518	44.98	52.331	87.525	50.096	95.488	52.226
0.35	94.518	45.027	52.331	87.525	50.096	95.488	52.226
0.3666	94.518	45.043	52.331	87.525	50.102	95.488	52.226
0.3833	94.518	44.97	52.331	87.525	50.096	95.488	52.226
0.4	94.518	44.904	52.331	87.525	50.096	95.488	52.226
0.4166	94.518	44.986	52.331	87.525	50.096	95.488	52.226
0.4333	94.518	44.951	52.331	87.525	50.096	95.488	52.226
0.45	94.518	44.857	52.331	87.525	50.096	95.488	52.226
0.4666	94.518	44.92	52.331	87.525	50.096	95.488	52.226
0.4833	94.518	44.885	52.331	87.525	50.102	95.488	52.226
0.5	94.518	44.841	52.331	87.525	50.096	95.488	52.226
0.5166	94.518	44.768	52.331	87.525	50.096	95.488	52.226
0.5333	94.518	44.904	52.331	87.525	50.096	95.488	52.226
0.55	94.518	44.743	52.331	87.525	50.096	95.488	52.226
0.5666	94.518	44.746	52.331	87.525	50.096	95.488	52.226
0.5833	94.518	44.701	52.331	87.525	50.096	95.492	52.226
0.6	94.518	44.809	52.331	87.525	50.096	95.488	52.226
0.6166	94.518	44.701	52.331	87.528	50.096	95.492	52.226
0.6333	94.518	44.667	52.331	87.528	50.096	95.488	52.226
0.65	94.518	44.673	52.331	87.528	50.096	95.492	52.226
0.6666	94.518	44.736	52.331	87.528	50.096	95.488	52.226
0.6833	94.518	44.692	52.331	87.528	50.096	95.488	52.226
0.7	94.518	44.597	52.331	87.528	50.096	95.488	52.226
0.7166	94.518	44.673	52.331	87.528	50.096	95.492	52.226
0.7333	94.518	44.638	52.331	87.525	50.096	95.488	52.226
0.75	94.518	44.626	52.331	87.528	50.096	95.492	52.22
0.7666	94.518	44.553	52.331	87.528	50.096	95.492	52.22
0.7833	94.518	44.651	52.327	87.528	50.096	95.488	52.226
0.8	94.518	44.622	52.331	87.525	50.096	95.488	52.226
0.8166	94.518	44.553	52.331	87.528	50.096	95.488	52.226
0.0100				87.528	50.096	95.492	52.226
0.8333	94.518	44.537	<u>52.3</u> 31	07.320		<u> </u>	32.220
	94.518 94.518	44.537 44.613	52.331	87.528	50.096	95.492	52.226

0.8833	94.518	44.483	52.331	87.525	50.096	95.488	52.22
0.9	94.518	44.534	52.331	87.528	50.096	95.488	52.22
0.9166	94.518	44.515	52.331				52.226
				87.528	50.096	95.488	
0.9333	94.518	44.537	52.331	87.525	50.096	95.488	52.22
0.95	94.518	44.439	52.331	87.528	50.096	95.488	52.226
0.9666	94.518	44.534	52.331	87.528	50.096	95.492	52.22
0.9833	94.515	44.569	52.331	87.528	50.096	95,492	52.22
1	94.518	44.448	52.331	87.528	50.089	95.488	52.22
					 		
1.2	94.518	44.398	52.331	87.528	50.096	95.492	52.226
1.4	94.518	44.296	52.331	87.528	50.096	95.488	52.226
1.6	94.518	44.224	52.334	87.528	50.096	95.488	52.226
1.8	94.518	44.23	52.331	87.528	50.096	95.488	52.226
2	94.518	44.24	52.331	87.528	50.096	95.488	52.226
2.2	94.518	44.17	52.331	87.528	50.096	95.488	52.226
2.4	94.518	44.113	52.331	87.528	50.096	95.488	52.226
	+						
2.6	94.518	44.189	52.331	87.525	50.096	95.488	52.226
2.8	94.518	44.11	52.331	87.528	50.096	95.492	52.232
3	94.518	44.012	52.327	87.528	50.096	95.488	52.226
3.2	94.518	43.967	52.327	87.528	50.096	95.488	52.226
3.4	94.518	44.075	52.327	87.528	50.096	95.488	52.226
3.6	94.518	43.923	52.327	87.528	50.096	95.492	52.226
3.8	94.518	43.869	52.327		50.096		52.226
				87.528		95.492	
4	94.518	43.86	52.331	87.528	50.096	95.492	52.232
4.2	94.518	43.828	52.327	87.528	50.096	95.492	52.226
4.4	94.518	43.879	52.331	87.528	50.102	95.495	52.226
4.6	94.518	43.926	52.331	87.528	50.096	95.492	52.226
4.8	94.518	43.876	52.331	87.528	50.096	95.495	52.226
5	94.518	43.797	52.331	87.528	50.096	95.492	52.226
5.2	94.518	43.809	52.331	87.528	50.096	95.492	52.22
	 						
5.4	94.518	43.809	52.331	87.528	50.096	95.492	52.22
5.6	94.515	43.8	52.331	87.528	50.096	95.492	52.22
5.8	94.518	43.812	52.331	87.528	50.096	95.492	52.22
6	94.515	43.863	52.327	87.528	50.096	95.492	52.213
6.2	94.518	43.8	52.327	87.528	50.096	95.492	52.213
6.4	94.515	43.809	52.327	87.528	50.096	95.492	52.213
6.6	94.518	43.825	52.327	87.528	50.096	95.492	52.213
6.8	94.515	43.797	52.324	87.528	50.096	95.492	52.213
					}		
7	94.518	43.702	52.324	87.528	50.096	95.492	52.213
7.2	94.515	43.626	52.327	87.528	50.096	95.492	52.213
7.4	94.518	43.689	52.327	87.528	50.096	95.492	52.213
7.6	94.518	43.746	52.327	87.528	50.096	95.492	52.213
7.8	94.518	43.797	52.327	87.528	50.096	95.492	52.213
8	94.518	43.708	52.331	87.528	50.096	95.492	52.213
8.2	94.515	43.613	52.327	87.528	50.096	95.492	52.213
8.4	94.518	43.689	52.327	87.528	50.096	95.492	52.213
8.6	94.518	43.543	52.324	87.528	50.096	95.492	52.226
8.8	94.518	43.67	52.324	87.528	50.096	95.492	52.213
9	94.515	43.569	52.324	87.528	50.096	95.492	52.213
9.2	94.515	43.55	52.324	87.528	50.096	95.492	52.213
9.4	94.515	43.578	52.324	87.528	50.096	95.492	52.213
9.6	94.515	43.578	52.324	87.528	50.096	95.492	52.207
9.8	94.518	43.521	52.324	87.528	50.096	95.492	52.207
10	+	43.505	52.324				
1	94.518			87.528	50.096	95.485	52.207
12	94.518	43.423	52.327	87.528	50.089	95.498	52.207
14	94.518	43.385	52.324	87.528	50.089	95.498	52.194
16	94.518	43.249	52.331	87.528	50.096	95.498	52.194
18	94.518	43.173	52.321	87.528	50.096	95.498	52.182
20	94.518	43.091	52.318	87.528	50.089	95.495	52.169
22	94.518	42.993	52.315	87.528	50.096	95.498	52.163
24	94.518	42.968	52.315	87.528	50.089	95.498	52.15
							
26	94.518	42.945	52.312	87.532	50.096	95.498	52.144
28	94.518	42.898	52.312	87.528	50.096	95.504	52.15
30	94.518	42.775	52.302	87.532	50.089	95.498	52.125
32	94.518	42.73	52.306	87.532	50.096	95.501	52.131
34	94.518	42.771	52.302	87.532	50.096	95.501	52.113
36	94.518	42.993	52.299	87.532	50.096	95.498	52.106
38	94.515	42.711	52.293	87.532	50.089	95.498	52.094
<u>~~</u>					20.007		

40	94.515	42.607	52.293	87.532	50.089	95.501	52.094
42	94.515	42.506	52.29	87.532	50.089	95.498	52.081
44	94.515	42.464	52.29	87.532	50.096	95.498	52.075
46	94.515	42.445	52.287	87.532	50.096	95.501	52.068
48	94.512	42.499	52.277	87.532	50.096	95.498	52.062
50	94.512	42.313	52.277	87.535	50.096	95.504	52.062
52	94.515	42.259	52.28	87.535	50.089	95.504	52.05
54	94.515	42.316	52.271	87.535	50.089	95.501	52.037
56	94.515	42.297	52.262	87.535	50.096	95.501	52.024
58	94.515	42.249	52.265	87.535	50.089	95.504	52.024
60_	94.515	42.196	52.259	87.535	50.096	95.504	52.018

Test 6, Step 2 MW-28D Pump test (15 gpm) Start: 12/9/99 11:23 Stop: 12/9/99 12:05

Elapsed Time	MW28	MW28D	MW29D	MW30	MW30D	MW34	MW34D
0	94.512	42.183	52.259	87.535	50.096	95.507	52.018
0.0083	94.512	42.158	52.259	87.535	50.096	95.507	52.012
0.0166	94.512	42.189	52.259	87.535	50.096	95.507	52.012
0.025	94.512	42.183	52.259	87.535	50.096	95.507	52.005
0.0333	94.512	42.044	52.259	87.535	50.096	95.507	52.005
0.0416	94.512	42.139	52.255	87.535	50.096	95.507	52.005
0.05	94.512	42.164	52.259	87.535	50.096	95.507	52.012
0.0583	94.512	42.082	52.255	87.535	50.102	95.507	52.005
0.0666	94.512	42.116	52.255	87.535	50.096	95.507	52.005
0.075	94.512	42.113	52.259	87.535	50.096	95.507	52.005
0.0833	94.512	41.996	52.255	87.535	50.096	95.507	52.005
0.0916	94.512	42.015	52.255	87.535	50.096	95.507	52.012
0.1	94.512	41.911	52.259	87.535	50.096	95.511	52.012
0.1083	94.512	42.101	52.255	87.535	50.096	95.507	52.005
0.1166	94.512	41.961	52.259	87.535	50.096	95.507	52.005
0.125	94.512	41.813	52.259	87.535	50.096	95.507	52.005
0.1333	94.512	41.895	52.255	87.535	50.096	95.507	52.012
0.1416	94.512	41.822	52.259	87.535	50.096	95.507	52.005
0.15	94.512	41.936	52.255	87.535	50.096	95.507	52.012
0.1583	94.512	41.901	52.259	87.535	50.096	95.507	52.005
0.1666	. 94.512	41.876	52.259	87.535	50.096	95.507	52.005
0.175	94.512	41.724	52.259	87.535	50.096	95.507	52.012
0.1833	94.512	41.879	52.259	87.535	50.096	95.507	52.005
0.1916	94.512	41.765	52.259	87.535	50.096	95.507	52.005
0.2	94.512	41.654	52.259	87.535	50.096	95.507	52.012
0.2083	94.512	41.813	52.259	87.535	50.096	95.507	52.005
0.2166	94.512	41.658	52.259	87.535	50.096	95.507	52.005
0.225	94.512	41.677	52.259	87.535	50.096	95.507	52.005
0.2333	94.512	41.689	52.259	87.535	50.096	95.507	52.005
0.2416	94.512	41.885	52.259	87.535	50.096	95.507	52.012
0.25	94.512	41.569	52.259	87.535	50.096	95.507	52.005
0.2583	94.512	41.604	52.259	87.535	50.102	95.507	52.005
0.2666	94.512	41.724	52.259	87.535	50.102	95.507	52.012
0.275	94.512	41.699	52.259	87.535 ⁻	50.096	95.507	52.005
0.2833	94.512	41.632	52.259	87.535	50.096	95.507	52.005
0.2916	94.512	41.594	52.259	87.535	50.096	95.507	52.012
0.3	94.512	41.635	52.259	87.535	50.102	95.507	52.005
0.3083	94.512	41.496	52.259	87.535	50.096	95.507	52.005
0.3166	94.512	41.509	52.259	87.535	50.096	95.507	52.005
0.325	94.512	41.582	52.259	87.535	50.096	95,507	52.005
0.3333	94.512	41.591	52.259	87.535	50.096	95.507	52.012
0.35	94.512	41.506	52.259	87.535	50.096	95.507	52.005
0.3666	94.512	41.398	52.259	87.535	50.096	95.507	52.003
	94.512					95.507	52.005
0.3833	94.512	41.487 41.55	52.259 52.262	87.535 87.535	50.096 50.096	95.507	52.003
0.4166						95.507	52.012
	94.512	41.48	52.262 52.250	87.535 87.535	50.096		
0.4333	94.512	41.474	52.259	87.535	50.096	95.507	52.005
0.45	94.512	41.43	52.262	87.535	50.096	95.507	52.005
0.4666	94.512	41.373	52.259	87.538	50.096	95.507	52.012
0.4833	94.512	41.294	52.262	87.535	50.096	95.507	52.005
0.5	94.512	41.389	52.262 52.262	87.538	50.096	95.507	52.012

Step-Rate Pumping Test Raw Groundwater Elevation Data Ortho-Clinical Diagnostics, Inc.

Raritan, New Jersey

.5333 0.55 .5666 .5833 0.6 .6166 .6333 0.65 .6666 .6833 0.7 .7166 .7333 0.8 .8166 .8333 0.8 .8166 .8333 0.8 .8166 .8333 0.8 .8166 .8333 0.8 .8166 .8333 0.8 .8166 .8333 0.8 .8166 .8333 0.8 .8166 .8333 0.8 .8166 .8333 0.8 .8166 .8333 0.8 .8166 .8333 0.8 .8166 .8333 0.8 .8166 .8333 0.8 .8166 .8333 0.9 .9166 .9333 1 1.2 1.4 1.6 1.8 2	94.512 94.512	41.297 41.325 41.392 41.291 41.199 41.284 41.221 41.23 41.202 41.329 41.151 41.132 41.2121 41.148 41.164 41.085 41.17 41.12 41.05 41.139 41.085 41.17 41.12 41.085 41.17 41.12 41.085 41.17 41.12 41.085 41.17 41.12 41.085 41.17 41.12 41.085 41.186 41.072 41.018 41.066 41.031 40.92 40.835 40.816	\$2.262 \$2.262 \$2.262 \$2.262 \$2.262 \$2.262 \$2.262 \$2.262 \$2.262 \$2.262 \$2.262 \$2.262 \$2.265 \$2.265 \$2.262	87.535 87.535 87.538 87.538 87.538 87.538 87.538 87.538 87.538 87.535	50.096 50.096 50.102 50.102 50.096 50.096 50.096 50.096 50.102 50.096 50.102 50.096 50.102 50.096 50.102 50.096 50.102 50.096 50.102 50.096 50.102 50.096 50.102 50.096 50.102 50.096 50.102 50.096 50.102 50.096 50.102 50.096 50.102 50.096 50.102 50.096 50.102	95.507 95.507	52.005 52.012 52.005 52.012 52.012 52.012 52.012 52.012 52.012 52.012 52.005
.5666 .5833 .0.6 .6166 .6333 .0.65 .6666 .6833 .0.7 .7166 .7333 .0.75 .7666 .7833 .0.8 .8166 .88333 .0.9 .9166 .99333 .0.95 .9666 .9833 .1 .1.2 .1.4 .1.6 .1.8	94.512 94.512	41.392 41.291 41.199 41.284 41.221 41.23 41.202 41.329 41.151 41.132 41.221 41.148 41.164 41.085 41.17 41.12 41.05 41.139 41.085 41.17 41.12 41.085 41.17 41.12 41.085 41.139 41.085 41.139 41.085 41.139 41.085 41.139 41.085 41.139 41.085 41.139 41.085 41.139 41.085 41.139 41.085 41.139 41.085 41.139 41.085 41.139 41.085 41.139 41.086 41.044 41.066 41.031 40.92 40.835	52.262 52.262 52.262 52.262 52.262 52.262 52.262 52.262 52.262 52.265 52.265 52.265 52.262 52.262 52.262 52.262 52.262 52.262 52.262 52.265 52.262 52.265 52.262 52.265 52.265 52.262 52.265 52.262 52.265 52.262 52.265 52.262 52.265 52.262 52.265 52.262 52.265 52.262 52.265 52.262 52.265 52.262 52.265	87.538 87.535 87.538 87.538 87.538 87.538 87.535	50.102 50.102 50.096 50.096 50.096 50.102 50.096 50.102 50.096 50.102 50.102 50.102 50.096 50.102 50.096 50.102 50.096 50.096 50.096 50.102 50.096 50.096 50.096 50.096 50.096 50.096 50.096 50.096 50.096 50.096 50.096 50.096	95.507 95.507	52.005 52.005 52.012 52.012 52.012 52.012 52.012 52.012 52.012 52.005
.5833 0.6 .6166 .6333 0.65 .6666 .6833 0.7 .7166 .7333 0.75 .7666 .7833 0.8 .8166 .8333 0.9 .9166 .9333 0.95 .9666 .9833 1 1.2 1.4 1.6 1.8	94.512 94.512	41.291 41.199 41.284 41.221 41.23 41.202 41.329 41.151 41.132 41.221 41.148 41.164 41.085 41.17 41.12 41.05 41.139 41.085 41.17 41.12 41.085 41.17 41.12 41.085 41.139 41.085 41.148 41.085 41.17 41.12 41.085 41.139 41.085 41.139 41.085 41.139 41.085 41.139 41.085 41.139 41.085 41.139 41.085 41.139 41.085 41.139 41.085 41.139 41.085 41.139 41.085 41.139 41.085 41.139 41.085 41.139 41.085 41.085 41.072 41.018 41.044 41.066 41.031 40.92 40.835	52.262 52.262 52.262 52.262 52.262 52.262 52.262 52.262 52.262 52.265 52.265 52.265 52.266 52.262 52.262 52.262 52.262 52.262 52.262 52.265 52.262 52.265	87.535 87.538 87.538 87.538 87.538 87.535	50.102 50.096 50.096 50.096 50.102 50.096 50.102 50.096 50.102 50.102 50.102 50.096 50.102 50.096 50.102 50.096 50.096 50.096 50.102 50.096 50.102 50.096 50.096 50.102 50.096 50.102 50.096 50.102 50.096 50.102 50.096	95.507 95.507	52.005 52.012 52.012 52.012 52.012 52.012 52.012 52.012 52.005
0.6 .6166 .6333 0.65 .6666 .6833 0.7 .7166 .7333 0.75 .7666 .7833 0.8 .8166 .8333 0.9 .9166 .99333 0.95 .9666 .9833 1 1.2 1.4 1.6 1.8	94.512 94.512	41.199 41.284 41.221 41.23 41.202 41.329 41.151 41.132 41.221 41.148 41.164 41.085 41.17 41.12 41.05 41.139 41.085 41.17 41.12 41.085 41.17 41.12 41.085 41.139 41.085 41.139 41.085 41.085 41.139 41.085 41.139 41.085 41.086 41.072 41.018 41.044 41.066 41.031 40.92 40.835	52.262 52.262 52.262 52.262 52.262 52.262 52.262 52.262 52.265 52.265 52.262 52.262 52.262 52.262 52.262 52.262 52.265	87.538 87.538 87.538 87.538 87.535	50.096 50.096 50.096 50.102 50.096 50.102 50.096 50.102 50.096 50.102 50.096 50.102 50.096 50.102 50.096 50.102 50.096 50.096 50.096 50.096 50.096 50.096 50.096 50.096 50.096 50.096 50.096 50.096 50.096 50.096 50.102 50.096 50.102	95.507 95.507	52.012 52.012 52.012 52.012 52.012 52.012 52.012 52.005
.6166 .6333 .0.65 .6666 .6833 .0.7 .7166 .7333 .0.75 .7666 .7833 .0.8 .8166 .8333 .0.9 .8666 .9333 .99166 .9933 .99166 .9933 .995 .9666 .9833 .1	94.512 94.512	41.284 41.221 41.23 41.202 41.329 41.151 41.132 41.221 41.148 41.164 41.085 41.17 41.12 41.05 41.139 41.085 41.139 41.085 41.139 41.085 41.139 41.085 41.139 41.085 41.139 41.085 41.139 41.085 41.139 41.085 41.139 41.085 41.139 41.085 41.139 41.085 41.139 41.085 41.139 41.085 41.139 41.085 41.139 41.085 41.139 41.085 41.085 41.085 41.139 41.085 41.085 41.085 41.085 41.085 41.085 41.085 41.092 40.835	52.262 52.262 52.262 52.262 52.262 52.262 52.262 52.265 52.265 52.265 52.262 52.262 52.262 52.262 52.262 52.262 52.265	87.538 87.538 87.538 87.535	50.096 50.096 50.102 50.096 50.102 50.096 50.102 50.096 50.102 50.096 50.102 50.096 50.096 50.096 50.096 50.096 50.096 50.096 50.096 50.096 50.096 50.096 50.096 50.102 50.096 50.102 50.096	95.507 95.507	52.012 52.012 52.012 52.012 52.012 52.012 52.005
.6333 0.65 .6666 .6833 0.7 .7166 .7333 0.75 .7666 .7833 0.8 .8166 .8333 0.9 .9166 .9333 0.95 .99166 .9333 1 1.2 1.4 1.6 1.8	94.512 94.512	41.221 41.23 41.202 41.329 41.151 41.132 41.221 41.148 41.164 41.085 41.17 41.12 41.05 41.139 41.085 41.17 41.12 41.085 41.139 41.085 41.139 41.085 41.148 41.148 41.085 41.139 41.085 41.139 41.085 41.139 41.085 41.139 41.085 41.139 41.085 41.139 41.085 41.139 41.085 41.072 41.018 41.044 41.066 41.031 40.92 40.835	52.262 52.262 52.262 52.262 52.262 52.262 52.265 52.265 52.265 52.262 52.262 52.262 52.262 52.262 52.262 52.262 52.265 52.262 52.265 52.262 52.265 52.262 52.265 52.262 52.265 52.262 52.265 52.262 52.265 52.262 52.265 52.262 52.265 52.262 52.265 52.262 52.265 52.262 52.265 52.262 52.265	87.538 87.538 87.535 87.535 87.535 87.535 87.538 87.535	50.096 50.102 50.096 50.102 50.096 50.102 50.096 50.102 50.096 50.102 50.096 50.102 50.096 50.096 50.102 50.096 50.102 50.096 50.096 50.096 50.102 50.096 50.102 50.096 50.102 50.096 50.102 50.096 50.102 50.096 50.102	95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507	52.012 52.012 52.012 52.012 52.005
0.65 .6666 .6833 0.7 .7166 .7333 0.75 .7666 .7833 0.8 .8166 .8333 0.8 .8166 .8333 0.9 .9166 .9333 0.95 .99666 .9833 1 1.2 1.4 1.6 1.8	94.512 94.512	41.23 41.202 41.329 41.151 41.132 41.221 41.148 41.164 41.085 41.17 41.12 41.05 41.139 41.085 41.139 41.085 41.139 41.085 41.139 41.086 41.072 41.018 41.126 40.86 41.044 41.066 41.031 40.92 40.835	52.262 52.262 52.262 52.262 52.262 52.265 52.265 52.265 52.262 52.262 52.262 52.262 52.262 52.265 52.262 52.265 52.262 52.265	87.538 87.535 87.535 87.535 87.538 87.538 87.535	50.102 50.096 50.102 50.096 50.102 50.102 50.102 50.102 50.096 50.096 50.096 50.096 50.096 50.096 50.096 50.096 50.0096 50.102 50.096 50.102 50.096 50.102 50.096	95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507	52.012 52.012 52.012 52.005
.6666 .6833 .0.7 .7166 .7333 .0.75 .7666 .7833 .0.8 .8166 .8333 .0.85 .8666 .8833 .0.99 .9166 .9333 .0.95 .99666 .9833 .1 .1.2 .1.4	94.512 94.512	41.202 41.329 41.151 41.132 41.221 41.148 41.164 41.085 41.17 41.12 41.05 41.139 41.085 41.139 41.085 41.126 41.086 41.072 41.018 41.126 40.86 41.044 41.066 41.031 40.92 40.835	52.262 52.262 52.262 52.262 52.265 52.265 52.265 52.262 52.262 52.262 52.262 52.262 52.265 52.262 52.265 52.262 52.265	87.535 87.535 87.535 87.538 87.538 87.538 87.535	50.096 50.102 50.096 50.102 50.096 50.102 50.096 50.102 50.096 50.096 50.096 50.096 50.0096 50.0096 50.0096 50.0000 50.102 50.0000 50.102 50.0000 50.102 50.0000 50.102 50.0000 50.102 50.00000 50.102 50.102 50.102 50.102	95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507	52.012 52.012 52.005
.6833 0.7 .7166 .7333 0.75 .7666 .7833 0.8 .8166 .8333 0.8 .8666 .8833 0.9 .9166 .9333 0.95 .99666 .9833 1 1.2 1.4 1.6 1.8	94.512 94.512	41.329 41.151 41.132 41.221 41.148 41.164 41.085 41.17 41.12 41.05 41.139 41.085 41.186 41.072 41.018 41.126 40.86 41.044 41.066 41.031 40.92 40.835	52.262 52.262 52.262 52.265 52.265 52.265 52.262 52.262 52.262 52.262 52.262 52.262 52.265 52.262 52.265 52.262 52.265 52.265 52.265 52.265 52.265 52.262 52.265 52.262 52.265 52.262 52.265 52.262 52.265 52.262 52.265 52.262 52.265 52.262 52.265 52.262 52.265 52.262 52.265 52.262 52.265 52.262 52.265 52.262 52.265 52.262 52.265	87.535 87.535 87.538 87.538 87.538 87.535	50.102 50.096 50.096 50.102 50.102 50.102 50.096 50.096 50.096 50.096 50.096 50.096 50.096 50.102 50.102 50.102 50.102 50.102 50.102 50.096 50.102	95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507	52.012 52.005
0.7 .7166 .7333 0.75 .7666 .7833 0.8 .8166 .8333 0.85 .8666 .8833 0.9 .9166 .9333 0.95 .99666 .9883 1 1.2 1.4 1.6 1.8	94.512 94.512	41.151 41.132 41.221 41.148 41.164 41.085 41.17 41.12 41.05 41.139 41.085 41.186 41.072 41.018 41.126 40.86 41.044 41.066 41.031 40.92 40.835	52.262 52.265 52.265 52.265 52.265 52.262 52.262 52.262 52.262 52.262 52.262 52.265 52.262 52.265 52.265 52.262 52.265 52.265 52.265 52.265 52.265 52.262 52.265 52.262 52.265 52.262 52.265 52.262 52.265 52.262 52.265 52.262 52.265 52.262 52.265 52.262 52.265 52.262 52.265 52.262	87.535 87.538 87.538 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535	50.096 50.096 50.102 50.102 50.096 50.102 50.096 50.096 50.096 50.096 50.096 50.096 50.102 50.102 50.096 50.102 50.096 50.102 50.096 50.102	95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507	52.005 52.005
.7166 .7333 0.75 .7666 .7833 0.8 .8166 .8333 0.85 .8666 .8833 0.9 .9166 .9333 0.95 .9666 .9833 1 1.2 1.4	94.512 94.512	41.132 41.221 41.148 41.164 41.085 41.17 41.12 41.05 41.139 41.085 41.186 41.072 41.018 41.126 40.86 41.044 41.066 41.031 40.92 40.835	52.262 52.265 52.265 52.265 52.262 52.262 52.262 52.262 52.265 52.262 52.265 52.265 52.265 52.265 52.265 52.265 52.265 52.265 52.265 52.265 52.265 52.265 52.265 52.265 52.265 52.265 52.265 52.265	87.538 87.538 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535	50.096 50.102 50.096 50.102 50.096 50.096 50.096 50.096 50.096 50.096 50.096 50.096 50.102 50.096 50.102 50.102 50.102 50.096 50.102 50.102 50.102 50.102	95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507	52.005 52.005
.7333 0.75 .7666 .7833 0.8 .8166 .8333 0.85 .8666 .8833 0.9 .9166 .9333 0.95 .9666 .9833 1 1.2 1.4 1.6 1.8	94.512 94.512	41.221 41.148 41.164 41.085 41.17 41.12 41.05 41.139 41.085 41.186 41.072 41.018 41.126 40.86 41.044 41.066 41.031 40.92 40.835	52.262 52.265 52.265 52.262 52.262 52.262 52.262 52.265 52.262 52.265 52.265 52.265 52.265 52.265 52.265 52.265 52.265 52.265 52.265 52.265 52.265 52.265 52.265 52.265 52.265 52.265 52.265	87.538 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535	50.102 50.102 50.096 50.102 50.096 50.096 50.096 50.096 50.096 50.102 50.102 50.096 50.102 50.102 50.102 50.102 50.102 50.102	95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507	52.005 52.005 52.005 52.005 52.012 52.005 52.012 52.012 52.012 52.012 52.005 52.005 52.005 52.005 52.005 52.005 52.005 52.005 52.005 52.005 52.005 52.005 52.005 52.005 52.005 52.005 52.005 52.005
0.75 .7666 .7833 0.8 .8166 .8333 0.85 .8666 .8833 0.9 .9166 .9333 0.95 .9666 .9833 1 1.2 1.4 1.6 1.8	94.512 94.512	41.148 41.164 41.085 41.17 41.12 41.05 41.139 41.085 41.186 41.072 41.018 41.126 40.86 41.044 41.066 41.031 40.92 40.835	52.265 52.265 52.262 52.262 52.262 52.262 52.265 52.262 52.265	87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535	50.102 50.096 50.102 50.096 50.096 50.096 50.096 50.096 50.096 50.102 50.102 50.096 50.102 50.102 50.102 50.102	95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507	52.005 52.005 52.005 52.012 52.005 52.012 52.012 52.012 52.012 52.005 52.005 52.005 52.005 52.005 52.005 52.005 52.005 52.005 52.005 52.005 52.005
.7666 .7833 .0.8 .8166 .8333 .0.85 .8666 .8833 .0.9 .9166 .9333 .0.95 .9666 .9833 .1 .1.2 .1.4	94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512	41.164 41.085 41.17 41.12 41.05 41.139 41.085 41.186 41.072 41.018 41.126 40.86 41.044 41.066 41.031 40.92 40.835	52.265 52.262 52.262 52.262 52.265 52.265 52.265 52.265 52.265 52.265 52.265 52.265 52.265 52.265 52.265 52.265 52.265 52.265 52.265 52.265 52.265 52.265	87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535	50.096 50.102 50.096 50.096 50.096 50.102 50.096 50.096 50.102 50.102 50.102 50.102 50.102 50.102 50.102	95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507	52.005 52.012 52.005 52.005 52.012 52.012 52.005 52.005 52.005 52.005 52.005 52.005 52.005 52.005 52.005 52.005 52.005
.7833 0.8 .8166 .8333 0.85 .8666 .8833 0.9 .9166 .9333 0.95 .9666 .9833 1 1.2 1.4 1.6 1.8	94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512	41.085 41.17 41.12 41.05 41.139 41.085 41.186 41.072 41.018 41.126 40.86 41.044 41.066 41.031 40.92 40.835	52.262 52.262 52.262 52.265 52.265 52.262 52.265 52.262 52.265 52.265 52.265 52.265 52.265 52.265 52.265 52.265 52.265 52.265 52.265 52.265	87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535	50.102 50.096 50.096 50.096 50.102 50.096 50.096 50.102 50.102 50.096 50.102 50.102 50.102 50.102	95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507	52.012 52.005 52.005 52.012 52.012 52.005 52.005 52.005 52.005 52.005 52.005 52.005 52.005 52.005 52.005 52.005
0.8 .8166 .8333 0.85 .8666 .8833 0.9 .9166 .9333 0.95 .9666 .9833 1 1.2 1.4 1.6 1.8	94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512	41.17 41.12 41.05 41.139 41.085 41.186 41.072 41.018 41.126 40.86 41.044 41.066 41.031 40.92 40.835	52.262 52.262 52.265 52.265 52.262 52.265 52.265 52.262 52.265 52.265 52.265 52.265 52.265 52.265 52.265 52.265 52.265 52.265 52.265	87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535	50.096 50.096 50.096 50.102 50.096 50.096 50.102 50.102 50.102 50.102 50.102 50.102 50.102	95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507	52.005 52.005 52.012 52.012 52.005 52.005 52.005 52.005 52.005 52.005 52.005 52.005 52.005 52.005
.8166 .8333 0.85 .8666 .8833 0.9 .9166 .9333 0.95 .9666 .9833 1 1.2 1.4	94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512	41.12 41.05 41.139 41.085 41.186 41.072 41.018 41.126 40.86 41.044 41.066 41.031 40.92 40.835	52.262 52.265 52.265 52.262 52.262 52.265 52.262 52.262 52.265 52.265 52.265 52.265 52.265 52.265 52.265 52.262	87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535	50.096 50.096 50.102 50.096 50.096 50.096 50.102 50.102 50.102 50.102 50.102 50.102 50.102	95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507	52.005 52.012 52.012 52.005 52.005 52.005 52.005 52.005 52.005 52.005 52.005 52.005 52.005
.8333 0.85 .8666 .8833 0.9 .9166 .9333 0.95 .9666 .9833 1 1.2 1.4 1.6 1.8	94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512	41.05 41.139 41.085 41.186 41.072 41.018 41.126 40.86 41.044 41.066 41.031 40.92 40.835	52.262 52.265 52.262 52.262 52.265 52.262 52.262 52.265 52.265 52.265 52.265 52.265 52.265 52.262 52.265	87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535	50.096 50.102 50.096 50.096 50.096 50.102 50.102 50.102 50.102 50.102 50.096 50.102	95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507	52.012 52.012 52.005 52.005 52.005 52.005 52.005 52.005 52.005 52.005 52.005
0.85 .8666 .8833 0.9 .9166 .9333 0.95 .9666 .9833 1 1.2 1.4 1.6 1.8	94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512	41.139 41.085 41.186 41.072 41.018 41.126 40.86 41.044 41.066 41.031 40.92 40.835	52.265 52.262 52.262 52.265 52.262 52.262 52.265 52.265 52.265 52.265 52.265 52.262 52.262 52.262	87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535	50.102 50.096 50.096 50.096 50.102 50.102 50.102 50.102 50.102 50.096 50.102	95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507	52.012 52.005 52.005 52.005 52.005 52.005 52.005 52.005 52.005 52.005
.8666 .8833 0.9 .9166 .9333 0.95 .9666 .9833 1 1.2 1.4 1.6	94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512	41.085 41.186 41.072 41.018 41.126 40.86 41.044 41.066 41.031 40.92 40.835	52.262 52.265 52.265 52.262 52.262 52.265 52.265 52.265 52.265 52.265 52.262 52.262 52.262	87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.538 87.538	50.096 50.096 50.102 50.102 50.096 50.102 50.096 50.102	95.507 95.507 95.507 95.507 95.507 95.507 95.507 95.507	52.005 52.005 52.005 52.005 52.005 52.005 52.005 52.005
.8833 0.9 .9166 .9333 0.95 .9666 .9833 1 1.2 1.4 1.6 1.8	94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512	41.186 41.072 41.018 41.126 40.86 41.044 41.066 41.031 40.92 40.835	52.262 52.265 52.262 52.262 52.265 52.265 52.265 52.265 52.262 52.262 52.262	87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.538 87.538	50.096 50.102 50.102 50.096 50.102 50.102 50.096 50.102	95.507 95.507 95.507 95.507 95.507 95.507 95.507	52.005 52.005 52.005 52.005 52.005 52.005 52.005
0.9 1.9166 1.9333 0.95 1.9666 1.9833 1 1.2 1.4 1.6 1.8	94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512	41.072 41.018 41.126 40.86 41.044 41.066 41.031 40.92 40.835	52.262 52.262 52.265 52.265 52.265 52.265 52.262 52.262 52.262	87.535 87.535 87.535 87.535 87.535 87.535 87.535 87.538 87.538	50.102 50.102 50.096 50.102 50.102 50.096 50.102	95.507 95.507 95.507 95.507 95.507 95.507	52.005 52.005 52.005 52.005 52.005 52.005
.9166 .9333 .0.95 .9666 .9833 .1 .1.2 .1.4 .1.6	94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512	41.018 41.126 40.86 41.044 41.066 41.031 40.92 40.835	52.262 52.262 52.265 52.265 52.265 52.265 52.262 52.262 52.262	87.535 87.535 87.535 87.535 87.538 87.538	50.102 50.096 50.102 50.102 50.096 50.102	95.507 95.507 95.507 95.507 95.507	52.005 52.005 52.005 52.005 52.005
.9333 0.95 .9666 .9833 1 1.2 1.4 1.6	94.512 94.512 94.512 94.512 94.512 94.512 94.512 94.512	41.126 40.86 41.044 41.066 41.031 40.92 40.835	52.262 52.265 52.262 52.265 52.262 52.262 52.262	87.535 87.535 87.535 87.535 87.538 87.538	50.096 50.102 50.102 50.096 50.102	95.507 95.507 95.507 95.507	52.005 52.005 52.005 52.005
0.95 0.9666 0.9833 1 1.2 1.4 1.6 1.8	94.512 94.512 94.512 94.512 94.512 94.512 94.512	41.044 41.066 41.031 40.92 40.835	52.262 52.265 52.262 52.262 52.262	87.535 87.535 87.538 87.535	50.102 50.102 50.096 50.102	95.507 95.507 95.507	52.005 52.005 52.005
1 1.2 1.4 1.6 1.8	94.512 94.512 94.512 94.512 94.512	41.066 41.031 40.92 40.835	52.265 52.262 52.262 52.262	87.535 87.538 87.535	50.102 50.096 50.102	95.507 95.507	52.005 52.005
1 1.2 1.4 1.6 1.8	94.512 94.512 94.512 94.512	41.031 40.92 40.835	52.262 52.262 52.262	87.538 87.535	50.096 50.102	95.507	52.005
1 1.2 1.4 1.6 1.8	94.512 94.512 94.512 94.512	40.92 40.835	52.262 52.262	87.535	50.102		
1.4 1.6 1.8	94.512 94.512	40.835	52.262			95.507	52.012
1.6 1.8	94.512			87.535	50.100		J2.U12
1.8		40.816	52.259		50.102	95.507	52.012
	94.512			87.535	50.102	95.507	52.012
2		40.674	52.259	87.535	50.096	95.507	52.005
	94.509	40.68	52.259	87.535	50.096	95.504	52.005
2.2	94.512	40.683	52.255	87.538	50.096	95.504	51.999
2.4	94.512	40.617	52.255	87.535	50.096	95.504	51.999
2.6	94.512	40.651	52.255	87.538	50.102	95.504	51.999
2.8	94.512	40.623	52.255	87.538	50.096	95.507	51.999
3	94.512	40.5	52.259	87.538	50.102	95.507	51.999
3.2	94.512	40.579	52.259	87.538	50.096	95.504	51.999
3.4	94.512	40.452	52.259	87.538	50.096	95.507	51.999
3.6	94.512	40.398	52.255	87.538	50.096	95.507	51.999
3.8	94.512	40.354	52.255	87.535	50.096	95.507	51.993
4	94.512	40.313	52.252	87.535	50.102	95.504	51.993
4.2	94.512	40.335	 				51.993
4.4					+		51.993
4.6							51.993
4.8	_			 			51.993
	94.512		}				51.987
							51.987
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.10							51.974
	94.512				+		51.98
7.4	A				+		51.98
7.4 7.6	94.522	i 40 05			+		51.974
7.4 7.6 7.8	94.512		1 52.24	87.538	30.096	y 33.304 l	51.974
7.4 7.6 7.8 8	94.512 94.512	39.971	+	07.500	50.000		
7.4 7.6 7.8	94.512		52.243 52.24	87.538 87.535	50.096 50.096	95.504 95.507	51.974 51.974
	4.2 4.4 4.6 4.8 5 5.2 5.4 5.6 5.8 6 6.2 6.4 6.6 6.8 7	4.2 94.512 4.4 94.512 4.6 94.512 4.8 94.512 5 94.512 5.2 94.512 5.4 94.512 5.6 94.512 5.8 94.512 6 94.512 6.2 94.512 6.4 94.512 6.6 94.512 6.8 94.512 7 94.509 7.2 94.512 7.4 94.512 7.6 94.522	4.2 94.512 40.335 4.4 94.512 40.376 4.6 94.512 40.373 4.8 94.512 40.174 5 94.512 40.294 5.2 94.512 40.262 5.4 94.512 40.253 5.6 94.512 40.313 5.8 94.512 40.114 6.2 94.512 40.114 6.2 94.512 40.171 6.6 94.512 40.171 6.6 94.512 40.171 6.6 94.512 40.171 6.8 94.512 40.186 7 94.509 40.079 7.2 94.512 40.066 7.4 94.512 39.974 7.6 94.522 40.063 7.8 94.512 40.05	4.2 94.512 40.335 52.252 4.4 94.512 40.376 52.252 4.6 94.512 40.373 52.252 4.8 94.512 40.174 52.252 5 94.512 40.294 52.249 5.2 94.512 40.262 52.249 5.4 94.512 40.253 52.249 5.6 94.512 40.313 52.246 5.8 94.512 40.082 52.246 6 94.512 40.114 52.243 6.2 94.512 40.171 52.243 6.4 94.512 40.171 52.243 6.6 94.512 40.171 52.243 6.6 94.512 40.171 52.243 6.8 94.512 40.171 52.246 7 94.509 40.079 52.246 7.2 94.512 40.066 52.246 7.4 94.512 39.974 52.243 7.6 94.522 40.063 52.243 7.8 94.512 40.05 52.243	4.2 94.512 40.335 52.252 87.538 4.4 94.512 40.376 52.252 87.538 4.6 94.512 40.373 52.252 87.535 4.8 94.512 40.174 52.252 87.538 5 94.512 40.294 52.249 87.538 5.2 94.512 40.262 52.249 87.538 5.4 94.512 40.253 52.249 87.538 5.6 94.512 40.313 52.246 87.538 5.8 94.512 40.082 52.246 87.538 6 94.512 40.114 52.243 87.538 6.2 94.512 40.171 52.243 87.538 6.4 94.512 40.171 52.243 87.538 6.6 94.512 40.171 52.243 87.538 7 94.509 40.079 52.246 87.538 7 94.509 40.066 52.246 87.538 7.4 94.512 40.066 52.246 87.538 7.6 <td>4.2 94.512 40.335 52.252 87.538 50.102 4.4 94.512 40.376 52.252 87.538 50.096 4.6 94.512 40.373 52.252 87.535 50.102 4.8 94.512 40.174 52.252 87.538 50.102 5 94.512 40.294 52.249 87.538 50.102 5.2 94.512 40.262 52.249 87.538 50.102 5.4 94.512 40.253 52.249 87.538 50.102 5.6 94.512 40.313 52.246 87.538 50.102 5.8 94.512 40.082 52.246 87.538 50.102 6 94.512 40.082 52.246 87.538 50.102 6.2 94.512 40.114 52.243 87.538 50.102 6.2 94.512 40.171 52.243 87.538 50.096 6.4 94.512 40.171 52.243 87.538 50.096 6.6 94.512 40.171 52.246 87.538<td>4.2 94.512 40.335 52.252 87.538 50.102 95.504 4.4 94.512 40.376 52.252 87.538 50.096 95.504 4.6 94.512 40.373 52.252 87.535 50.102 95.504 4.8 94.512 40.174 52.252 87.538 50.102 95.504 5 94.512 40.294 52.249 87.538 50.102 95.504 5.2 94.512 40.262 52.249 87.538 50.102 95.504 5.4 94.512 40.263 52.249 87.538 50.102 95.504 5.6 94.512 40.253 52.249 87.538 50.102 95.504 5.8 94.512 40.313 52.246 87.538 50.102 95.504 5.8 94.512 40.082 52.246 87.538 50.102 95.504 6.2 94.512 40.114 52.243 87.538 50.102 95.504 6.2 94.512 40.171 52.243 87.538 50.096 95.504 <!--</td--></td></td>	4.2 94.512 40.335 52.252 87.538 50.102 4.4 94.512 40.376 52.252 87.538 50.096 4.6 94.512 40.373 52.252 87.535 50.102 4.8 94.512 40.174 52.252 87.538 50.102 5 94.512 40.294 52.249 87.538 50.102 5.2 94.512 40.262 52.249 87.538 50.102 5.4 94.512 40.253 52.249 87.538 50.102 5.6 94.512 40.313 52.246 87.538 50.102 5.8 94.512 40.082 52.246 87.538 50.102 6 94.512 40.082 52.246 87.538 50.102 6.2 94.512 40.114 52.243 87.538 50.102 6.2 94.512 40.171 52.243 87.538 50.096 6.4 94.512 40.171 52.243 87.538 50.096 6.6 94.512 40.171 52.246 87.538 <td>4.2 94.512 40.335 52.252 87.538 50.102 95.504 4.4 94.512 40.376 52.252 87.538 50.096 95.504 4.6 94.512 40.373 52.252 87.535 50.102 95.504 4.8 94.512 40.174 52.252 87.538 50.102 95.504 5 94.512 40.294 52.249 87.538 50.102 95.504 5.2 94.512 40.262 52.249 87.538 50.102 95.504 5.4 94.512 40.263 52.249 87.538 50.102 95.504 5.6 94.512 40.253 52.249 87.538 50.102 95.504 5.8 94.512 40.313 52.246 87.538 50.102 95.504 5.8 94.512 40.082 52.246 87.538 50.102 95.504 6.2 94.512 40.114 52.243 87.538 50.102 95.504 6.2 94.512 40.171 52.243 87.538 50.096 95.504 <!--</td--></td>	4.2 94.512 40.335 52.252 87.538 50.102 95.504 4.4 94.512 40.376 52.252 87.538 50.096 95.504 4.6 94.512 40.373 52.252 87.535 50.102 95.504 4.8 94.512 40.174 52.252 87.538 50.102 95.504 5 94.512 40.294 52.249 87.538 50.102 95.504 5.2 94.512 40.262 52.249 87.538 50.102 95.504 5.4 94.512 40.263 52.249 87.538 50.102 95.504 5.6 94.512 40.253 52.249 87.538 50.102 95.504 5.8 94.512 40.313 52.246 87.538 50.102 95.504 5.8 94.512 40.082 52.246 87.538 50.102 95.504 6.2 94.512 40.114 52.243 87.538 50.102 95.504 6.2 94.512 40.171 52.243 87.538 50.096 95.504 </td

8.8	94.512	40.006	52.24	87.538	50.096	95.507	51.98
9	94.509	40.012	52.243	87.538	50.096	95.507	51.974
9.2	94.512	40	52.243	87.538	50.096	95.507	51.974
9.4	94.512	39.99	52.243	87.538	50.096	95.511	51.974
9.6	94.512	39.917	52.246	87.535	50.096	95.511	51.974
9.8	94.512	39.981	52.246	87.538	50.096	95.511	51.974
10	94.509	39.962	52.246	87.535	50.089	95.511	51.974
12	94.512	39.756	52.249	87.535	50.096	95.511	51.961
14	94.512	39.756	52.237	87.535	50.096	95.507	51.942
16	94.512	39.547	52.23	87.538	50.096	95.507	51.936
18	94.512	39.462	52.23	87.535	50.089	95.504	51.917
20	94.512	39.104	52.237	87.538	50.096	95.507	51.917
22	94.512	38.509	52.234	87.538	50.096	95.511	51.911
24	94.512	37.864	52.224	87.538	50.096	95.511	51.898
26	94.509	37.092	52.218	87.538	50.096	95.514	51.898
28	94.509	36.152	52.227	87.538	50.102	95.514	51.879
30	94.509	35.415	52.221	87.541	50.102	95.514	51.873
32	94.509	34.497	52.215	87.541	50.102	95.511	51.861
34	94.509	33.64	52.209	87.541	50.096	95.511	51.848
36	94.509	32.583	52.202	87.541	50.096	95.514	51.842
38	94.506	32.539	52.196	87.541	50.102	95.517	51.835
40	94.509	32.583	52.199	87.541	50.096	95.517	51.823
42	94.509	32.577	52.196	87.541	50.096	95.514	51.81

Test 6, Step 3 MW-28D Recovery
Start: 12/9/99 12:08 Stop: 12/9/99 16:20

Elapsed Time	MW28	MW28D	MW29D	MW30	MW30D	MW34	MW34I
0	94.506	32.577	52.193	87.544	50.102	95.514	51.81
0.0083	94.506	32.64	52.193	87.541	50.108	95.517	51.804
0.0166	94.506	32.602	52.193	87.541	50.102	95.517	51.804
0.025	94.506	32.621	52.193	87.541	50.102	95.517	51.804
0.0333	94.506	32.605	52.193	87.541	50.102	95.517	51.804
0.0416	94.506	32.586	52.193	87.541	50.102	95.514	51.804
0.05	94.506	32.589	52.193	87.541	50.102	95.517	51.804
0.0583	94.506	32.602	52.193	87.541	50.102	95.514	51.804
0.0666	94.506	32.599	52.193	87.541	50.108	95.514	51.804
0.075	94.506	32.612	52.193	87.541	50.102	95.514	51.804
0.0833	94.506	32.596	52.193	87.541	50.102	95.514	51.804
0.0916	94.506	32.602	52.19	87.541	50.102	95.514	51.798
0.1	94.506	32.612	52.193	87.541	50.102	95.514	51.798
0.1083	94.506	32.58	52.193	87.541	50.108	95.514	51.804
0.1166	94.506	32.599	52.193	87.541	50.102	95.514	51.798
0.125	94.506	32.583	52.193	87.541	50.102	95.514	51.804
0.1333	94.506	32.599	52.193	87.541	50.102	95.514	51.804
0.1416	94.506	32.491	52.193	87.541	50.102	95.514	51.798
0.15	94.506	32.488	52.193	87.541	50.102	95.514	51.798
0.1583	94.506	32.498	52.193	87.541	50.102	95.511	51.798
0.1666	94.506	32.488	52.193	87.541	50.108	95.511	51.798
0.175	94.506	32.485	52.193	87.541	50.108	95.511	51.798
0.1833	94.506	32.498	52.193	87.541	50.102	95.514	51.798
0.1916	94.506	32.501	52.193	87.541	50.108	95.514	51.798
0.2	94.506	32.498	52.193	87.541	50.108	95.514	51.798
0.2083	94.506	32.498	52.193	87.541	50.108	95.514	51.798
0.2166	94.506	32.491	52.193	87.541	50.108	95.511	51.798
0.225	94.506	32.482	52.193	87.541	50.108	95.514	51.798
0.2333	94.506	32.485	52.193	87.541	50.108	95.514	51.798
0.2416	94.506	32.501	52.193	87.541	50.108	95.514	51.798
0.25	94.506	32.485	52.193	87.541	50.108	95.514	51.798
0.2583	94.506	32.494	52.193	87.541	50.108	95.511	51.798
0.2666	94.506	32.485	52.193	87.541	50.108	95.514	51.798
0.275	94.506	32.488	52.193	87.541	50.108	95.511	51.798
0.2833	94.506	32.501	52.193	87.541	50.108	95.511	51.798
0.2916	94.506	32.504	52.193	87.541	50.108	95.511	51.798
0.3	94.506	32.494	52.193	87.541	50.108	95.511	51.798
0.3083	94.506	32.494	52.193	87.544	50.108	95.514	51.798
0.3166	94.506	32.494	52.193	87.541	50.102	95.511	51.798
0.325	94.506	32.501	52.193	87.541	50.108	95.511	51.798

0.3333	94.506	32.491	52.193	87.541	50.108	95.511	51.798
0.35	94.506	32.488	52.193	87.544	50.102	95.511	51.798
0.3666	94.506			· · · · · · · · · · · · · · · · · · ·			
	 	32.491	52.193	87.544	50.108	95.511	51.798
0.3833	94.506	32.482	52.193	87.544	50.108	95.511	51.798
0.4	94.506	32.494	52.193	87.544	50.108	95.511	51.798
0.4166	94.506	32.494	52.193	87.544	50.108	95.511	51.798
0.4333	94.506	32.485					-
			52.193	87.544	50.108	95.514	51.798
0.45	94.506	32.504	52.196	87.544	50.108	95.511	51.798
0.4666	94.506	32.624	52.193	87.544	50.108	95.511	51.798
0.4833	94.506	32.754	52.193	87.544	50.108	95.514	51.798
0.5	94.506						
		32.918	52.196	87.544	50.108	95.511	51.798
0.5166	94.506	33.073	52.193	87.544	50.108	95.511	51.798
0.5333	94.506	33.251	52.193	87.544	50.108	95.514	51.798
0.55	94.506	33.497	52.193	87.544	50.108	95.514	51.798
0.5666	94.506	33.627	52.196	87.544	50.108	95.514	51.798
					 		
0.5833	94.506	33.77	52.193	87.544	50.108	95.514	51.798
0.6	94.506	33.969	52.196	87.544	50.108	95.511	51.798
0.6166	94.506	34.108	52.196	87.544	50.108	95.511	51.798
0.6333	94.506	34.292	52.196	87.544	50.108	95.514	51.798
							
0.65	94.506	34.437	52.196	87.544	50.108	95.514	51.798
0.6666	94.506	34.605	52.196	87.544	50.108	95.514	51.798
0.6833	94.506	34.776	52.196	87.544	50.108	95.511	51.798
0.7	94.506	34.921	52.196	87.544	50.108	95.514	51.798
	 						
0.7166	94.506	35.105	52.196	87.544	50.108	95.511	51.798
0.7333	94.506	35.279	52.196	87.544	50.108	95.511	51.798
0.75	94.506	35.418	52.196	87.544	50.108	95.514	51.798
0.7666	94.506	35.611	52.196	87.544	50.108	95.514	51.798
0.7833	94.506	35.776					
			52.196	87.544	50.108	95.511	51.798
0.8	94.506	35.95	52.196	87.544	50.108	95.514	51.798
0.8166	94.506	36.098	52.196	87.544	50.108	95.511	51.791
0.8333	94.509	36.269	52.196	87.544	50.108	95.511	51.791
0.85	94.506	36.434	52.196	87.544	50.108	95.511	51.798
							
0.8666	94.506	36.595	. 52.196	87.541	50.108	95.511	51.791
0.8833	94.506	36.728	52.196	87.544	50.108	95.511	51.791
0.9	94.506	36.934	52.196	87.544	50.108	95.511	51.791
0.9166	94.506	37.105	52.196	87.544	50.108	95.511	51.791
	+						
0.9333	94.506	37.26	52.196	87.544	50.108	95.511	51.791
0.95	94.506	37.453	52.196	87.544	50.108	95.511	51.791
0.9666	94.506	37.589	52.196	87.544	50.108	95.511	51.791
0.9833	94.509	37.794	52.193	87.544	50.108	95.511	51.791
1	94.506	37.902	52.193	87.541	50.108	95.511	51.791
-							
1.2	94.506	39.784	52.196	87.544	50.108	95.514	51.798
1.4	94.506	40.895	52.196	87.544	50.115	95.514	51.798
1.6	94.509	41.386	52.199	87.544	50.115	95.517	51.798
1.8	94.506	41.639	52.199	87.544	50.115	95.517	51.804
							}
2	94.506	41.794	52.199	87.544	50.108	95.514	51.804
2.2	94.509	41.914	52.19	87.544	50.108	95.514	51.798
2.4	94.506	42.009	52.187	87.544	50.108	95.514	51.798
2.6	94.509	42.088	52.19	87:544	50.108	95.517	51.798
2.8	94.509	42.161	52.19	87.544	50.108	95.517	51.798
							
3	94.506	42.224	52.19	87.544	50.108	95.517	51.798
3.2	94.506	42.281	52.19	87.544	50.115	95.517	51.798
3.4	94.509	42.332	52.193	87.544	50.115	95.523	51.798
3.6	94.506	42.382	52.199	87.544	50.108	95.517	51.798
			_			 	
3.8	94.506	42.426	52.193	87.544	50.108	95.517	51.798
4	94.506	42.471	52.196	87.544	50.115	95.52	51.798
4.2	94.509	42.515	52.202	87.547	50.115	95.523	51.804
4.4	94.506	42.559	52.199	87.547	50.115	95.52	51.804
	+						
4.6	94.506	42.597	52.196	87.544	50.108	95.517	51.798
4.8	94.506	42.635	52.196	87.547	50.115	95.52	51.798
5	94.509	42.67	52.199	87.547	50.121	95.523	51.798
5.2	94.509	42.705	52.205	87.547	50.121	95.523	51.804
5.4	94.506	42.73	52.205	87.547	50.121	95.523	51.804
5.6	94.509	42.765	52.202	87.547	50.121	95.523	51.798
5.8	94.509	42.79	52.205	87.547	50.121	95.526	51.804
6	94.506	42.819	52.209	87.547	50.121	95.53	51.81
6.2							
1 0.2	94.506	42.844	52.209	87.547	50.121	95.533	51.81

Step-Rate Pumping Test Raw Groundwater Elevation Data Ortho-Clinical Diagnostics, Inc. Raritan, New Jersey

			Rantan, Ne	w Jersey			
6.4	94.506	42.869	50.010	07.547	60 101	05.522	51.016
6.6	94.506	42.892	52.212 52.212	87.547 87.547	50.121 50.121	95.533 95.533	51.816 51.81
6.8	94.509	42.917	52.205	87.544	50.121	95.526	51.81
7	94.506	42.939	52.199	87.544	50.115	95.526	51.804
7.2	94.509	42.964	52.199	87.547	50.115	95.526	51.804
7.4	94.506	42.983	52.196	87.547	50.115	95.526	51.804
7.6	94.509	43.006	52.193	87.544	50.108	95.523	51.798
7.8	94.509	43.024	52.187	87.547	50.108	95.52	51.798
8	94.506	43.043	52.183	87.547	50.108	95.523	51.798
8.2	94.506	43.062	52.183	87.547	50.108	95.523	51.798
8.4	94.506	43.081	52.18	87.547	50.108	95.52	51.791
8.6	94.506	43.1	52.174	87.547	50.102	95.52	51.791
8.8	94.506	43.116	52.174	87.547	50.102	95.52	51.791
9	94.506	43.132	52.171	87.547	50.102	95.52	51.785
9.2	94.506	43.154	52.174	87.547	50.108	95.523	51.785
9.4	94.506	43.173	52.18	87.547	50.115	95.526	51.785
9.6	94.506	43.189	52.183	87.547	50.115	95.526	51.791
9.8	94.506 94.506	43.208 43.221	52.183 52.18	87.547 87.547	50.108	95.523 95.52	51.785 51.785
12	94.509	43.404	52.168	87.547	50.108 50.096	95.517	51.766
14	94.506	43.556	52.171	87.547	50.102	95.52	51.76
16	94.509	43.683	52.168	87.547	50.102	95.523	51.766
18	94.506	43.797	52.158	87.547	50.102	95.523	51.753
20	94.506	43.891	52.137	87.544	50.089	95.514	51.741
22	94.506	43.974	52.143	87.544	50.096	95.514	51.728
24	94.506	44.053	52.146	87.547	50.096	95.517	51.722
26	94.503	44.132	52.149	87.547	50.102	95.517	51.728
28	94.506	44.208	52.149	87.551	50.108	95.523	51.735
30	94.503	44.281	52.14	87.547	50.102	95.523	51.741
32	94.503	44.35	52.14	87.551	50.102	95.523	51.735
34	94.503	44.417	52.133	87.551	50.102	95.52	51.735
36	94.503 94.503	44.477	52.133	87.551	50.102	95.523	51.741
38	94.503	44.537 44.594	52.133 52.127	87.551 87.551	50.102 50.102	95.52 95.523	51.735 51.741
42	94.503	44.651	52.127	87.551	50.102	95.526	51.747
44	94.503	44.705	52.121	87.554	50.102	95.523	51.741
46	94.503	44.752	52.165	87.557	50.121	95.545	51.772
48	94.503	44.796	52.105	87.554	50.096	95.52	51.741
50	94.503	44.838	52.108	87.554	50.096	95.523	51.741
52_	94.503	44.879	52.108	87.554	50.102	95.523	51.741
54	94.503	44.917	52.111	87.554	50.102	95.523	51.735
56	94.503	44.955	52.111	87.557	50.102	95.53	51.741
58	94.499	44.989	52.105	87.554	50.102	95.526	51.741
60	94.499	45.024	52.108	87.557	50.108	95.53	51.747
62	94.499	45.062	52.124	87.56	50.108	95.536	51.766
64	94.499	45.097	52.111	87.557	50.102	95.533	51.76
66	94.499 94.499	45.132 45.163	52.093 52.099	87.557 87.56	50.102 50.108	95.526 95.53	51.747 51.753
70	94.499	45.198	52.093	87.56	50.108	95.53	51.76
72	94.499	45.227	52.09	87.563	50.102	95.53	51.753
74	94.499	45.255	52.093	87.56	50.102	95.533	51.76
76	94.499	45.287	52.09	87.563	50.102	95.523	51.753
78	94.499	45.315	52.09	87.56	50.108	95.53	51.766
80	94.496	45.344	52.09	87.563	50.108	95.53	51.766
82	94.499	45.372	52.093	87.566	50.108	95.53	51.766
84	94.496	45.398	52.09	87.563	50.108	95.533	51.772
86	94.496	45.423	52.083	87.566	50.108	95.53	51.766
88	94.496	45.445	52.083	87.566	50.108	95.533	51.779
90	94.496	45.47	52.08	87.566	50.108	95.533	51.772
92	94.496	45.492	52.077	87.566	50.108	95.533	51.766
94	94.496	45.515	52.074	87.566	50.102	95.536	51.772
96 98	94.496 94.496	45.537	52.071	87.566	50.102	95.536	51.772
100	94.496	45.562 45.584	52.071 52.071	87.569 87.569	50.102 50.102	95.533 95.536	51.772 51.772
102	94.496	45.606	52.065	87.569	50.102	95.536	51.772
104	94.496	45.629	52.065	87.569	50.102	95.539	51.779
106	04.406	45.651	52.005	07.509	50.102	05.537	51.779

94.496

87.573

50.102

95.536

51.779

52.065

					,		
108	94.496	45.673	52.068	87.573	50.102	95.539	51.779
110	94.493	45.692	52.061	87.576	50.102	95.539	51.785
112	94.493	45.714	52.058	87.576	50.102	95.542	51.785
114	94.493	45.733	52.058	87.576	50.102	95.539	51.785
116	94.496	45.755	52.055	87.576	50.102	95.542	51.791
118	94.493	45.774	52.058	87.576	50.102	95.542	51.791
120	94.493	45.793	52.055	87.576	50.102	95.542	51.791
122	94.493	45.812	52.055	87.579	50.102	95.545	51.791
124	94.493	45.831	52.052	87.579	50.102	95.545	51.798
126	94.496	45.85	52.052	87.579	50.102	95.549	51.804
128	94.493	45.869	52.052	87.579	50.102	95.549	51.804
130	94.493	45.888	52.052	87.582	50.108	95.549	51.804
132	94.493	45.904	52.055	87.582	50.102	95.549	51.804
134	94.493	45.923	52.058	87.582	50.108	95.552	51.81
136	94.493	45.939	52.055	87.582	50.108	95.552	51.816
138	94.493	45.954	52.049	87.582	50.102	95.552	51.816
140	94.493	45.97	52.052	87.585	50.108	95.555	51.823
142	94.496	45.989	52.046	87.585	50.102	95.555	51.823
144	94.493	46.002	52.033	87.585	50.096	95.552	51.81
146	94.493	46.015	52.04	87.585	50.102	95.549	51.81
148	94.493	46.03	52.043	<u>87.5</u> 85	50.102	95.552	51.816
150	94.493	46.04	52.043	87.585	50.102	95.555	51.823
152	94.493	46.053	52.036	87.588	50.102	95.552	51.816
154	94.493	46.068	52.052	87.588	50.108	95.558	51.829
156	94.493	46.084	52.04	87.588	50.102	95.555	51.829
158	94.493	46.103	52.046	87.588	50.102	95.561	51.842
160	94.49	46.109	52.036	87.592	50.102	95.558	51.835
162	94.493	46.119	52.043	87.592	50.108	95.561	51.842
164	94.493	46.135	52.04	87.592	50.102	95.564	51.842
166	94.493	46.144	52.036	87.592	50.102	95.564	51.842
168	94.493	46.157	52.036	87.595	50.102	95.568	51.842
170	94.493	46.163	52.021	87.595	50.096	95.561	51.835
172 174	94.49	46.179	52.008	87.595	50.089	95.555	51.829
176	94.49 94.49	46.192 46.204	52.021 52.024	87.595 87.595	50.096	95.558	51.835
178	94.49	46.214	52.033	87.595	50.096 50.102	95.561 95.561	51.835 51.848
180	94.49	46.223	52.011	87.598	50.102	95.558	51.835
182	94.49	46.236	52.014	87.598	50.089	95.558	51.835
184	94.49	46.246	52.018	87.598	50.096	95.561	51.842
186	94.49	46.258	52.024	87.601	50.102	95.561	51.842
188	94.49	46.268	52.018	87.601	50.096	95.564	51.848
190	94.49	46.277	52.018	87.601	50.096	95.561	51.848
192	94.49	46.287	52.014	87.601	50.096	95.564	51.848
194	94.49	46.296	52.014	87.601	50.089	95.564	51.848
196	94.49	46.309	52.011	87.601	50.089	95.564	51.854
198	94.49	46.318	52.011	87.604	50.096	95.568	51.854
200	94.49	46.328	52.011	87.604	50.089	95.568	51.854
202	94.487	46.34	52.011	87.604	50.089	95.568	51.854
204	94.487	46.347	52.014	87.607	50.096	95.571	51.861
206	94.49	46.356	52.011	87.604	50.096	95.571	51.861
208	94.487	46.366	52.011	87.607	50.096	95.571	51.861
210	94.49	46.375	52.008	87.607	50.096	95.571	51.867
212	94.49	46.385	52.011	87.607	50.096	95.574	51.867
214	94.487	46.394	52.011	87.611	50.089	95.574	51.867
216	94.487	46.404	52.008	87.611	50.089	95.574	51.867
218	94.487	46.413	52.008	87.611	50.089	95.574	51.873
220	94.487	46.423	52.005	87.611	50.089	95.574	51.873
222	94.49	46.429	52.005	87.614	50.089	95.574	51.873
224	94.487	46.439	52.002	87.611	50.089	95.574	51.873
226	94.487	46.448	51.999	87.614	50.089	95.574	51.873
228	94.487	46.454	52.005	87.614	50.089	95.574	51.873
230	94.487	46.464	52.002	87.614	50.089	95.577	51.873
232	94.487	46.473	51.999	87.617	50.089	95.577	51.879
234	94.487	46.483	52.002	87.617	50.089	95.577	51.879
236	94.487	46.489	52.002	87.617	50.089	95.577	51.879
238	94.487	46.499	51.999	87.617	50.083	95.577	51.879
240	94.487	46.505	51.996	87.617	50.083	95.577	51.879

Step-Rate Pumping Test Raw Groundwater Elevation Data Ortho-Clinical Diagnostics, Inc.

Raritan, New Jersey

242	94.487	46.514	51.996	87.617	50.083	95.574	51.879
244	94.487	46.521	51.996	87.62	50.083	95.577	51.879
246	94.487	46.53	51.996	87.62	50.083	95.574	51.886
248	94.487	46.537	51.993	87.62	50.083	95.577	51.886
250	94.487	46.543	51.993	87.62	50.083	95.577	51.886
252	94.487	46.549	51.989	87.623	50.083	95.577	51.886

Test 7, Step 0 Overnight background readings

Start: 12/9/99 17:05 Stop: 12/10/99 7:35

Elapsed Time	MW28	MW28D	MW29D	MW29	MW30D	MW34	MW34D
0	94.471	46.644	53.34	65.37	50.064	95.58	51.861
30	94.474	46.717	53.322	65.37	50.045	95.587	51.867
60	94.477	46.777	53.306	65.37	50.032	95.59	51.867
90	94.484	46.828	53.294	65.37	50.013	95.59	51.867
120	94.49	46.882	53.29	65.37	49.994	95.593	51.873
150	94.496	46.932	53.294	65.37	49.994	95.596	51.892
180	94.499	46.992	53.312	65.37	49.994	95.599	51.911
210	94.509	47.027	53.315	65.37	49.994	95.602	51.924
240	94.512	47.071	53.334	65.37	49.988	95.606	51.942
270	94.518	47.119	53.353	65.37	50.001	95.609	51.961
300	94.522	47.144	53.356	65.37	50.001	95.612	51.974
330	94.525	47.176	53.366	65.37	49.994	95.615	51.98
360	94.528	47.211	53.384	65.37	50.001	95.618	51.999
390	94.531	47.245	53.403	65.37	50.007	95.624	52.018
420	94.531	47.28	53.425	65.37	50.02	95.631	52.05
450	94.534	47.315	53.463	65.37	50.032	95.634	52.075
480	94.537	47.347	53.503	65.37	50.039	95.643	52.113
510	94.537	47.372	53.544	65.37	50.051	95.647	52.138
540	94.537	47.394	53.585	65.37	50.064	95.653	52.169
570	94.541	47.423	53.635	65.37	50.083	95.659	52.207
600	94.541	47.448	53.672	65.37	50.096	95.666	52.232
630	94.541	47.489	53.722	65.37	50.115	95.675	52.27
660	94.544	47.514	53.769	65.37	50.134	95.685	52.308
690	94.547	47.559	53.829	65.37	50.165	95.691	52.346
720	94.547	47.6	53.885	65.37	50.197	95.704	52.396
750	94.547	47.644	53.941	65.37	50.229	95.716	52.446
780	94.55	47.676	53.982	65.37	50.248	95.719	52.472
810	94.55	47.688	54.023	65.37	50.267	95.732	52.503
840	94.553	47.72	54.035	65.37	50.292	95.738	52.516
870	94.553	47.752	57.64	65.37	50.311	95.742	52.522

Test 8, Step 0 MW-29D Transducer check

Start: 12/10/99 7:48 Stop: 12/10/99 7:51

Elapsed Time	MW28	MW28D	MW29D	MW29	MW30D	MW34	MW34D
0	94.556	47.78	57.652	64.843	50.324	95.748	52.553
0.0083	94.556	47.78	57.649	64.846	50.324	95.748	52.547
0.0166	94.556	47.78	57.652	64.843	50.324	95.748	52.541
0.025	94.556	47.78	57.649	64.846	50.324	95.748	52.541
0.0333	94.556	47.78	57.649	64.846	50.324	95.748	52.541
0.0416	94.556	47.78	57.649	64.843	50.324	95.748	52.541
0.05	94.556	47.78	57.649	64.843	50.324	95.748	52.541
0.0583	94.556	47.78	57.649	64.843	50.324	95.748	52.541
0.0666	94.556	47.78	57.649	64.843	50.324	95.748	52.541
0.075	94.556	47.78	57.649	64.843	50.324	95.748	52.541
0.0833	94.556	47.78	57.649	64.843	50.324	95.748	52.541
0.0916	94.556	47.78	57.652	64.843	50.324	95.748	52.541
0.1	94.556	47.78	57.649	64.843	50.324	95.748	52.541
0.1083	94.556	47.78	57.649	64.843	50.324	95.748	52.541
0.1166	94.556	47.78	57.649	64.843	50.324	95.745	52.541
0.125	94.556	47.78	57.649	64.843	50.324	95.748	52.541
0.1333	94.556	47.78	57.649	64.843	50.324	95.748	52.541
0.1416	94.556	47.78	57.649	64.843	50.324	95.748	52.541
0.15	94.556	47.78	57.649	64.843	50.324	95.748	52.541
0.1583	94.556	47.78	57.649	64.843	50.324	95.748	52.541
0.1666	94.556	47.78	57.649	64.843	50.324	95.748	52.541
0.175	94.556	47.78	57.649	64.843	50.324	95.748	52.541
0.1833	94.556	47.78	57.649	64.843	50.324	95.748	52.541

Step-Rate Pumping Test Raw Groundwater Elevation Data Ortho-Clinical Diagnostics, Inc.

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Raritan,	New Jersey	

0.1916 94.556 47.78 57.649 64.843 50.324 95.74 0.2 94.556 47.78 57.649 64.843 50.324 95.74 0.2083 94.556 47.78 57.649 64.843 50.324 95.74 0.2166 94.556 47.78 57.649 64.843 50.324 95.74 0.225 94.556 47.78 57.649 64.843 50.324 95.74 0.2333 94.556 47.78 57.649 64.843 50.324 95.74 0.2316 94.556 47.78 57.649 64.843 50.324 95.74 0.2333 94.556 47.78 57.649 64.843 50.324 95.74 0.2416 94.556 47.78 57.649 64.843 50.324 95.74 0.25 94.556 47.78 57.649 64.843 50.324 95.74 0.2583 94.556 47.78 57.649 64.843 50.324 95.74	18 52.541 18 52.541 15 52.541 18 52.541 18 52.541 18 52.541 18 52.541 18 52.541 18 52.541 18 52.541 18 52.541 18 52.541 18 52.541 18 52.541 18 52.541 18 52.541 18 52.541 18 52.541 18 52.541
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0.325 94.556 47.78 57.649 64.843 50.324 95.74	
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0.3666 94.556 47.78 57.649 64.843 50.324 95.74	
0.3833 94.556 47.78 57.649 64.843 50.324 95.74	
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0.4166 94.556 47.78 57.649 64.843 50.324 95.74	
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0.4833 94.556 47.78 57.649 64.843 50.324 95.74	8 52.541
0.5 94.556 47.78 57.649 64.843 50.324 95.74	8 52.541
0.5166 94.556 47.78 57.649 64.843 50.324 95.74	8 52.541
0.5333 94.556 47.78 57.649 64.843 50.324 95.74	8 52.541
0.55 94.556 47.78 57.649 64.843 50.324 95.74	8 52.541
0.5666 94.556 47.78 57.649 64.843 50.324 95.74	8 52.541
0.5833 94.556 47.78 57.649 64.843 50.324 95.74	
0.6 94.556 47.78 57.649 64.843 50.324 95.74	
0.6166 94.556 47.78 57.649 64.843 50.324 95.74	
<u>0.6333</u> <u>94.556</u> <u>47.78</u> <u>57.649</u> <u>64.843</u> <u>50.324</u> <u>95.74</u>	
0.65 94.556 47.78 57.649 64.843 50.324 95.74	
0.6666 94.556 47.78 57.649 64.843 50.324 95.74	
0.6833 94.556 47.78 57.649 64.843 50.324 95.74 0.7 94.556 47.78 57.649 64.843 50.324 95.74	
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0.8333 94.556 47.783 57.649 64.843 50.324 95.74	
0.85 94.556 47.78 57.649 64.843 50.324 95.74	
0.8666 94.556 47.78 57.649 64.843 50.324 95.74	
0.8833 94.556 47.78 57.649 64.843 50.324 95.74	
0.9 94.556 47.78 57.649 64.843 50.324 95.74	
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0.95 94.556 47.78 57.649 64.843 50.324 95.74	
0.9666 94.556 47.78 57.649 64.84 50.324 95.74	
0.9833 94.556 47.78 57.649 64.843 50.324 95.74	
1 94.556 47.78 57.649 64.843 50.324 95.74	
1.2 94.556 47.78 57.649 64.84 50.324 95.74	8 52.547
1.4 94.556 47.78 57.649 64.84 50.324 95.74	8 52.547
1.6 94.556 47.78 57.649 64.843 50.324 95.74	
1.8 94.556 47.783 57.652 64.84 50.324 95.74	8 52.547
2 94.556 47.783 57.649 65.37 50.324 95.74	
2.2 94.556 47.783 57.649 65.37 50.33 95.74	
2.4 94.556 47.783 57.649 65.37 50.324 95.74	
2.6 94.556 47.783 57.652 65.37 50.324 95.74	
2.8 94.556 47.786 57.652 65.37 50.33 95.75	1 52.522

3	94.556	47.783	57.652	65.37	50.324	95.748	52.522
3.2	94.556	47.786	57.652	65.37	50.324	95.748	52.522
3.4	94.556	47.783	57.652	65.37	50.324	95.751	52.522

Test 9, Step 0 MW-29D Static water levels

Elapsed Time	MW28	MW28D	MW29D	MW29	MW30D	MW34	MW34
0	94.556	47.793	57.655	65.37	50.33	95.751	52.528
0.0083	94.556	47.79	57.655	65.37	50.33	95.751	52.52
0.0166	94.556	47.79	57.655	65.37	50.337	95.751	52.510
0.025	94.556	47.79	57.655	65.37	50.33	95.751	52.510
0.0333	94.556	47.79	57.655	65.37	50.33	95.751	52.52
0.0416	94.556	47.79	57.655	65.37	50.337	95.751	52.510
0.05	94.556	47.79	57.655	65.37	50.33	95.751	52.52
0.0583	94.556	47.79	57.655	65.37	50.33	95.751	52.510
0.0666	94.556	47.79	57.655	65.37	50.33	95.751	52.510
0.075	94.556	47.793	57.655	65.37	50.33	95.751	52.510
0.0833	94.556	47.79	57.655	65.37	50.33	95.751	52.510
0.0916	94.556	47.79	57.655	65.37	50.337	95.751	52.510
0.1	94.556	47.79	57.655	65.37	50.33	95.751	52.516
0.1083	94.556	47.79	57.655	65.37	50.33	95.751	52.516
0.1166	94.556	47.79	57.655	65.37	50.33	95.751	52.510
0.125	94.556	47.793	57.655	65.37	50.33	95.751	52.516
0.1333	94.556	47.793	57.655	65.37	50.33	95.751	52.516
0.1416	94.556	47.79	57.655	65.37	50.33	95.751	52.516
0.15	94.556	47.79	57.655	65.37	50.337	95.751	52.510
0.1583	94.553	47.79	57.655	65.37	50.33	95.751	52.516
0.1666	94.556	47.79	57.655	65.37	50.33	95.751	52.516
0.175	94.556	47.79	57.655	65.37	50.33	95.751	52.516
0.1833	94.556	47.79	57.655	65.37	50.33	95.751	52.516
0.1916	94.556	47.793	57.655	65.37	50.33	95.751	52.516
0.2	94.556	47.79	57.655	65.37	50.337	95.751	52.516
0.2083	94.556	47.793	57.655	65.37	50.337	95.751	52.516
0.2166	94.556	47.793	57.655	65.37	50.337	95.751	52.516
0.225	94.556	47.79	57.655	65.37	50.33	95.751	52.522
0.2333	94.556	47.793	57.655	65.37	50.33	95.751	
0.2416	94.556	47.79	57.655	65.37	50.33		52.516
0.25	94.556	47.79	57.655	65.37		95.751	52.516
0.2583	94.556	47.793	57.655		50.33	95.751	52.516
0.2666	94.556	47.79	57.655	65.37	50.33	95.751	52.516
0.2000	94.556	47.79		65.37	50.33	95.751	52.516
0.2833	94.556	47.793	57.655	65.37	50.33	95.751	52.516
0.2833			57.655	65.37	50.33	95.751	52.516
	94.556	47.79	57.655	65.37	50.33	95.751	52.516
0.3	94.556	47.79	57.655	65.37	50.33	95.751	52.516
0.3083	94.556	47.793	57.655	65.37	50.33	95.751	52.516
0.3166	94.556	47.79	57.655	65.37	50.337	95.751	52.516
0.325	94.556	47.79	57.655	65.37	50.33	95.751	52.516
0.3333	94.556	47.79	57.655	65.37	50.33	95.751	52.522
0.35	94.556	47.793	57.655	65.37	50.33	95.751	52.522
0.3666	94.556	47.793	57.655	65.37	50.33	95.751	52.516
0.3833	94.556	47.793	57.655	65.37	50.337	95.751	52.516
0.4	94.556	47,793	57.655	65.37	50.33	95.751	52.522
0.4166	94.556	47.793	57.655	65.37	50.33	95.751	52.516
0.4333	94.556	47.79	57.655	65.37	50.33	95.751	52.516
0.45	94.556	47.793	57.655	65.37	50.33	95.751	52.516
0.4666	94.556	47.793	57.655	65.37	50.33	95.751	52.516
0.4833	94.556	47.79	57.655	65.37	50.33	95.751	52.516
0.5	94.556	47.793	57.655	65.37	50.33	95.751	52.522
0.5166	94.556	47.793	57.655	65.37	50.33	95.751	52.516
0.5333	94.556	47.79	57.652	65.37	50.337	95.751	52.516
0.55	94.556	47.79	57.655	65.37	50.33	95.751	52.516
0.5666	94.556	47.793	57.655	65.37	50.33	95.751	52.516
0.5833	94.556	47.793	57.655	65.37	50.337	95.751	52.522
0.6	94.556	47.79	57.655	65.37	50.33	95.751	52.522
0.6166	94.556	47.793	57.655	65.37	50.33	95.751	52.516
0.6333	94.556	47.79	57.655	65.37	50.33	95.751	52.522
	94.556	47.793	57.655	65.37	50.33	95.751	52.522

0.000	01.556	45.500					
0.6666	94.556	47.793	57.655	65.37	50.33	95.751	52.522
0.6833	94.556	47.79	57.655	65.37	50.33	95.751	52.516
0.7	94.556	47.793	57.655_	65.37	50.33	95.751	52.516
0.7166	94.556	47.793	57.655	65.37	50.337	95.751	52.516
0.7333	94.556	47.793	57.655	65.37	50.33	95.751	52.516
0.75	94.556	47.79	57.655	65.37	50.33	95.751	52.522
0.7666	94.556	47.793	57.655	65.37	50.33	95.751	52.516
0.7833	94.556	47.79	57.655	65.37	50.337	95.751	52.522
0.8	94.556	47.793	57.655	65.37	50.33	95.751	52.522
0.8166	94.556	47.79	57.655	65.37	50.33	95.751	52.522
0.8333	94.556	47.79	57.655	65.37	50.337	95.751	52.516
0.85	94.556	47.79	57.655	65.37	50.337	95.751	52.516
0.8666	94.556	47.793	57.655	65.37	50.337	95.751	52.516
0.8833	94.556	47.793	57.655	65.37	50.33	95.751	52.522
0.9	94.556	47.793	57.655	65.37	50.337	95.751	52.516
0.9166	94.556	47.793	57.655	65.37	50.33	95.751	52.522
0.9333	94.556	47.793	57.655	65.37	50.337	95.751	52.522
0.95	94.556	47.793	57.655	65.37	50.33	95.751	52.516
0.9666	94.556	47.793	57.655	65.37	50.33	95.751	52.516
0.9833	94.556	47.793	57.655	65.37	50.337	95.751	52.516
1	94.556	47.793	57.655	65.37	50.33	95.751	52.516
1.2	94.556	47.79	57.655	65.37	50.33	95.751	52.522
1.4	94.556	47.793	57.655	65.37	50.337	95.751	52.522
1.6	94.556	47.793	57.655	65.37	50.33	95.751	52.522
1.8	94.556	47,793	57.652	65.37	50.33	95.751	52.522
2	94.556	47.793	57.652	65.37	50.33	95.751	52.522
2.2	94.556	47.793	57.652	65.37	50.33	95.751	52.522
2.4	94.556	47.796	57.655	65.37	50.337	95.751	52.522
2.6	94.556	47.796	57.655	65.37	50.337	95.751	52.522
2.8	94.556	47.796	57.655	65.37	50.33	95.751	52.522
3	94.556	47.796	57.655	65.37	50.337	95.754	52.522
3.2	94.556	47.796	57.655	65.37	50.337	95.751	52.528
3.4	94.556	47,796	57.655	65.37	50.33	95.754	52.522
3.6	94.556	47.796	57.655	65.37	50.337	95.751	52.522
3.8	94.556	47.796	57.652	65.37	50.337	95.754	52.522
4	94.556	47.793	57.655	65.37	50.337	95.754	52.522
4.2	94.556	47.796	57.655	65.37	50.337	95.751	52.522
4.4	94.559	47.793	57.652	65.37	50.337	95.751	52.522
4.6	94.556	47.796	57.655	65.37	50.337	95.751	52.522
4.8	94.556	47.796	57.652	65.37	50.33	95.751	52.522
5	94.556	47.796	57,652	65.37	50.337	95.751	52.522
5.2	94.556	47.796	57.652	65.37	50.337	95.751	52.522
5.4	94.556	47.796	57.652	65.37	50.337	95.751	52.522
5.6	94.556	47.796	57.655	65.37	50.337	95.754	52.522
	1 71.000	17.770	L 37.000	1 00.07	30.337	75.754	32.322

Test 9, Step 1 MW-29D Pump test (4.9 gpm) Start: 12/10/99 8:05 Stop: 12/10/99 9:11

Elapsed Time	MW28	MW28D	MW29D	MW29 -	MW30D	MW34	MW34D
0	94.556	47.796	57.655	65.37	50.337	95.754	52.522
0.0083	94.559	47.796	57.655	65.37	50.337	95.754	52.522
0.0166	94.556	47.796	57.655	65.37	50.337	95.754	52.522
0.025	94.556	47.796	57.652	65.37	50.337	95.754	52.516
0.0333	94.556	47.796	57.652	65.37	50.337	95.751	52.516
0.0416	94.556	47.796	57.652	65.37	50.337	95.751	52.516
0.05	94.556	47.796	57.652	65.37	50.337	95.754	52.516
0.0583	94.556	47.796	57.652	65.37	50.337	95.751	52.516
0.0666	94.556	47.796	57.652	65.37	50.337	95.751	52.516
0.075	94.556	47.796	57.652	65.37	50.337	95.751	52.516
0.0833	94.556	47.796	57.652	65.37	50.337	95.754	52.516
0.0916	94.556	47.796	57.655	65.37	50.337	95.754	52.516
0.1	94.556	47.796	57.652	65.37	50.337	95.751	52.516
0.1083	94.556	47.793	57.652	65.37	50.337	95.754	52.516
0.1166	94.556	47.796	57.652	65.37	50.337	95.751	52.516
0.125	94.556	47.796	57.655	65.37	50.337	95.751	52.516
0.1333	94.556	47.793	57.652	65.37	50.337	95.751	52.516
0.1416	94.556	47.796	57.652	65.37	50.337	95.751	52.516
0.15	94.556	47.796	57.652	65.37	50.337	95.754	52.516

							
0.1583	94.556	47.796	57.652	65.37	50.337	95.754	52.516
0.1666	94.556	47.796	57.652	65.37	50.337	95.751	52.516
0.175	94.556	47.796	57.652	65.37	50.337	95.751	52.516
0.1833	94.556	47.796	57.652	65.37	50.337	95.754	52.516
0.1916	94.556	47.793	57.652	65,37	50.337	95.751	52.516
0.2	94.556	47.796	57.652	65.37	50.337	95.754	52.516
0.2083	94.556	47.793	57.652	65.37	50.337	95.754	52.516
0.2166	94.556	47.796	57.652	65.37	50.337	95.751	52.516
0.225	94.556	47.793	57.655	65.37	50.337	95.751	52.516
0.2333	94.556	47.793	57.652	65.37	50.337	95,754	52.516
0.2416	94.556	47.796	57.655	65.37	50.337	95.751	52.516
0.25	94.556	47.796	57.652	65.37	50.337	95.754	52.516
0.2583	94.556	47.793	57.655	65.37	50,337	95.751	52.516
0.2666	94.556	47.793	57.652	65.37	50,337	95.754	52.516
0.275	94.556	47.796	57.652	65.37	50.337	95.754	52.516
0.2833	94,556	47.793	57.655	65.37	50.337	95.754	52.516
0.2916	94.556	47.796	57.652	65.37	50.337	95.754	52.516
0.3	94.556	47.793	57,652	65.37	50.337	95.754	52.516
0.3083	94.556	47.793	57.655	65.37	50.337	95.751	52.516
0.3166	94.556	47.793	57.655	65.37	50.337	95.751	52.516
0.325	94.556	47.793	57,655	65.37	50.337	95.751	52.516
0.3333	94.556	47.793	57.655	65.37	50.337	95.751	52.516
0.35	94.556	47.793	57.652	65.37	50.337	95.751	52.516
0.3666	94.556	47.793	57.652	65.37	50.337	95.754	52.516
0.3833	94.556	47.793	57.652	65.37	50.337	95.754	52.522
0.4	94.556	47.793	57.655	65.37	50.337	95.754	52.516
0,4166	94.556	47.793	57.652	65.37	50.337	95.751	52.516
0,4333	94.556	47.793	57.655	65.37	50.337	95.754	52.516
0.45	94.556	47.793	57.652	65.37	50.337	95.751	52.516
0.4666	94.556	47.793	57.652	65,37	50.337	95.754	52.516
0.4833	94.556	47.793	57.655	65.37	50.337	95.754	52.516
0,5	94.556	47.793	57.655	65.37	50.337	95.754	52.516
0.5166	94.556	47.793	57.652	65.37	50.337	95.754	52.522
0.5333	94.556	47.793	57.655	65.37	50.337	95.754	52.516
0.55	94,556	47.793	57.652	65.37	50.337	95.751	52.516
0.5666	94.556	47.793	57.652	65.37	50.337	95.754	52.516
0.5833	94.556	47.793	57.652	65.37	50.337	95.754	52.516
0.6	94.556	47.793	57.652	65.37	50.337	95.751	52.516
0.6166	94.556	47.793	57.652	65.37	50.33	95.751	52.516
0.6333	94.556	47.793	57.652	65.37	50.337	95.751	52.516
0.65	94.556	47.793	57.652	65.37	50.337	95.754	52.516
0,6666	94.556	47.793	57.652	65.37	50.337	95.751	52.516
0.6833	94.556	47.793	57.652	65.37	50.337	95.754	52.516
0.7	94.556	47.793	57.652	65.37	50.337	95.754	52.516
0.7166	94.556	47.793	57.652	65.37	50.337	95.751	52.516
0.7333	94.556	47.793	57.652	65.37	50.337	95.751	52.516
0.75	94.556	47.793	57.652	65.37	50.337	95.754	52.516
0.7666	94.556	47.793	57.652	65.37	50.337	95.754	52.516
0.7833	94.556	47.793	57.652	65.37	50.337	95.754	52.516
0.8	94.556	47.796	57.652	65.37	50.337	95.751	52.516
0.8166	94.556	47.793	57.652	65.37	50.337	95.751	52.516
0.8333	94.556	47.793	57.652	65.37	50.337	95.754	52.516
0.85	94.556	47.793	57.652	65.37	50.337	95.754	52,516
0.8666	94.556	47.793	57.652	65.37	50.337	95.751	52.516
0.8833	94.556	47.793	57.652	65.37	50.337	95.751	52.516
0.9	94.556	47.793	57.652	65.37	50.337	95.754	52.516
0.9166	94.556	47.793	57.652	65.37	50.337	95.754	52.516
0.9333	94.556	47.793	57.652	65.37	50.337	95.754	52.516
0.95	94.556	47.793	57.652	65.37	50.337	95.754	52.516
0.9666	94.556	47.793	57.652	65.37	50.337	95.754	52.516
0.9833	94.556	47.793	57.652	65.37	50.337	95.754	52.516
1	94.556	47.793	57.652	65.37	50.337	95.751	52.516
1.2	94.556	47.793	57.652	65.37	50.337	95.754	52.522
1.4	94.556	47.793	57.652	65.37	50.337	95.754	52.522
1.6	94.556	47.793	57.652	65:37	50.337	95.754	52.522
1.8	94.556	47.793	56.704	65.37	50.337	95.754	52.522
2	94.556	47.793	54.248	65.37	50.33	95.751	52.522
	77.550	71.175	JT.270	1 05.57	50.55	75.151	46.366

APPENDIX U Step-Rate Pumping Test Raw Groundwater Elevation Data Ortho-Clinical Diagnostics, Inc.

2.2	94.556	47.793	54.004	65.37	50.337	95.751	52.522
2.4	94.556	47.796	53.716	65.37	50.337	95.751	52.522
2.6	94.556	47.793	53.406	65.37	50.337	95.754	52.522
2.8	94.556	47.796	53.125	65.37	50.337	95.754	52.522
3	94.556	47.796	52.812	65.37	50.337	95.754	52.522
3.2	94.556	47.793	52.558	65.37	50.337	95.754	52.522
3.4	94.556	47.796	52.321	65.37	50.337	95.754	52.522
3.6	94.556	47.793	52.08	65.37	50.337	95.754	52.522
3.8	94.556	47.796	51.87	65.37	50.337	95.754	52.522
4	94.556	47.793	51.679	65.37	50.337	95.754	52.522
4.2	94.559	47.793	51.476	65:37	50.337	95.754	52.522
4.4	94.556	47.793	51.288	65.37	50.337	95.754	52.522
4.6	94.559	47.793	51.313	65.37	50.337	95.754	52.522
4.8	94.556	47.796	51.379	65.37	50.337	95.754	52.522
5	94.556	47.793	51.379	65.37	50.337	95.754	52.522
5.2	94.556	47.793	51.416	65.37	50.337	95.754	52.522
5.4	94.556	47.796	51.391	65.37	50.337	95.754	52.522
5.6	94.556	47.796	51.379	65.37	50.337	95.754	52.522
5.8	94.556	47.796	51.395	65.37	50.337	95.754	52.522
6	94.556	47.796	51.366	65.37	50.337	95.754	52.522
6.2	94.556	47.796	51.31	65.37	50.337	95.751	52.522
6.4	94.556	47.799	51.294	65.37	50.337	95.754	52.516
6.6	94.556	47.796	51.282	65.37	50.337	95.754	52.516
6.8	94.556	47.796	51.257	65.37	50.337	95.754	52.516
7	94.556	47.796	51.207	65.37	50.337	95.754	52.516
7.2	94.556	47.796	51.179	65.37	50.337	95.754	52.516
7.4	94.556	47.796	51.141	65.37	50.337	95.754	52.516
7.6	94.556	47.799	51.104	65.37	50.337	95.754	52.516
7.8	94.556	47.799	51.044	65.37	50.337	95.754	52.516
8	94.556	47.799	51.038	65.37	50.337	95.754	52.516
8.2	94.556	47.799	50.972	65.37	50.337	95.757	52.516
8.4	94.559	47.799	50.953	65.37	50.337	95.757	52.516
8.6	94.556	47.796	50.922	65.37	50.337	95.757	52.516
8.8	94.556	47.796	50.875	65.37	50.343	95.757	52.516
9	94.556	47.796	50.838	65.37	50.337	95.757	52.516
9.2 9.4	94.556 94.556	47.796 47.796	50.794 50.781	65.37 65.37	50.337 50.337	95.754 95.757	52.516 52.509
9.6	94.556	47.796	50.713	65.37	50.337	95.757	52.509
9.8	94.556	47.796	50.659	65.37	50.343	95.757	52.516
10	94.556	47.786	50.641	65.37	50.337	95.757	52.522
12	94.556	47.79	50.265	65.37	50.337	95.757	52.522
14	94.556	47.79	49.952	65.37	50.343	95.761	52.516
16	94.556	47.79	49.677	65.37	50.337	95.761	52.509
18	94.556	47.793	49.402	65.37	50.343	95.761	52.503
20	94.556	47.796	49.158	65.37	50.343	95.754	52.497
22	94.556	47,796	48.936	65.37	50.343	95.757	52.497
24	94.559	47.802	48.789	65.37	50.343	95.757	52.484
26	94.556	47.802	48.595	65.37	50.337	95.757	52.478
28	94.556	47.802	48.42	65.37	50.343	95.761	52.472
30	94.556	47.805	48.304	65.37	50.343	95.761	52.465
32	94.556	47.805	48.173	65.37	50.349	95.764	52.465
34	94.556	47.805	48.063	65.37	50.349	95.764	52.459
36	7 11000				JU.349		32.737
	94.556	47.805	47.932	65.37	50.349	95.764	52.453
38							
38 40	94.556	47.805	47.932	65.37	50.349	95.764	52.453
	94.556 94.556	47.805 47.809	47.932 47.828	65.37 65.37	50.349 50.349	95.764 95.767	52.453 52.446
40	94.556 94.556 94.556	47.805 47.809 47.812	47.932 47.828 47.71	65.37 65.37 65.37	50.349 50.349 50.356	95.764 95.767 95.77	52.453 52.446 52.44
40 42 44	94.556 94.556 94.556 94.556	47.805 47.809 47.812 47.812	47.932 47.828 47.71 47.591	65.37 65.37 65.37 65.37	50.349 50.349 50.356 50.356	95.764 95.767 95.77 95.764	52.453 52.446 52.44 52.434
40 42	94.556 94.556 94.556 94.556 94.556	47.805 47.809 47.812 47.812 47.815	47.932 47.828 47.71 47.591 47.519	65.37 65.37 65.37 65.37 65.37	50.349 50.349 50.356 50.356 50.349	95.764 95.767 95.77 95.764 95.767 95.767	52.453 52.446 52.44 52.434 52.427
40 42 44 46 48	94.556 94.556 94.556 94.556 94.556 94.556	47.805 47.809 47.812 47.812 47.815 47.815	47.932 47.828 47.71 47.591 47.519 47.431	65.37 65.37 65.37 65.37 65.37 65.37	50.349 50.349 50.356 50.356 50.349 50.356	95.764 95.767 95.77 95.764 95.767	52.453 52.446 52.44 52.434 52.427 52.421
40 42 44 46 48 50	94.556 94.556 94.556 94.556 94.556 94.556 94.556	47.805 47.809 47.812 47.812 47.815 47.815	47.932 47.828 47.71 47.591 47.519 47.431 47.344	65.37 65.37 65.37 65.37 65.37 65.37 65.37	50.349 50.349 50.356 50.356 50.349 50.356 50.356	95.764 95.767 95.77 95.764 95.767 95.767 95.77	52.453 52.446 52.44 52.434 52.427 52.421 52.415
40 42 44 46 48 50 52	94.556 94.556 94.556 94.556 94.556 94.556 94.556 94.556 94.556	47.805 47.809 47.812 47.812 47.815 47.815 47.815 47.818 47.818	47.932 47.828 47.71 47.591 47.519 47.431 47.344 47.259 47.181	65.37 65.37 65.37 65.37 65.37 65.37 65.37 65.37 65.37	50.349 50.349 50.356 50.356 50.349 50.356 50.356 50.356 50.356	95.764 95.767 95.77 95.764 95.767 95.767 95.77	52.453 52.446 52.44 52.434 52.427 52.421 52.415 52.415 52.402
40 42 44 46 48 50	94.556 94.556 94.556 94.556 94.556 94.556 94.556 94.556	47.805 47.809 47.812 47.812 47.815 47.815 47.815 47.818	47.932 47.828 47.71 47.591 47.519 47.431 47.344 47.259	65.37 65.37 65.37 65.37 65.37 65.37 65.37 65.37	50.349 50.349 50.356 50.356 50.349 50.356 50.356 50.356	95.764 95.767 95.77 95.764 95.767 95.767 95.77 95.77	52.453 52.446 52.44 52.434 52.427 52.421 52.415 52.415
40 42 44 46 48 50 52 54	94.556 94.556 94.556 94.556 94.556 94.556 94.556 94.556 94.556 94.556	47.805 47.809 47.812 47.812 47.815 47.815 47.815 47.818 47.818 47.818	47.932 47.828 47.71 47.591 47.519 47.431 47.344 47.259 47.181 47.131	65.37 65.37 65.37 65.37 65.37 65.37 65.37 65.37 65.37 65.37	50.349 50.349 50.356 50.356 50.356 50.356 50.356 50.356 50.356 50.356	95.764 95.767 95.77 95.764 95.767 95.767 95.77 95.77 95.77 95.773	52.453 52.446 52.44 52.434 52.427 52.421 52.415 52.415 52.402 52.396
40 42 44 46 48 50 52 54 56 58	94.556 94.556 94.556 94.556 94.556 94.556 94.556 94.556 94.556 94.553 94.553	47.805 47.809 47.812 47.812 47.815 47.815 47.815 47.818 47.818 47.818 47.818	47.932 47.828 47.71 47.591 47.519 47.431 47.344 47.259 47.181 47.131 47.068	65.37 65.37 65.37 65.37 65.37 65.37 65.37 65.37 65.37 65.37 65.37	50.349 50.349 50.356 50.356 50.356 50.356 50.356 50.356 50.356 50.356 50.356	95.764 95.767 95.77 95.764 95.767 95.767 95.77 95.77 95.773 95.773	52.453 52.446 52.44 52.434 52.427 52.421 52.415 52.415 52.402 52.396 52.396
40 42 44 46 48 50 52 54 56	94.556 94.556 94.556 94.556 94.556 94.556 94.556 94.556 94.556 94.553	47.805 47.809 47.812 47.812 47.815 47.815 47.815 47.818 47.818 47.818 47.818 47.821	47.932 47.828 47.71 47.591 47.519 47.431 47.344 47.259 47.181 47.131 47.068 46.978	65.37 65.37 65.37 65.37 65.37 65.37 65.37 65.37 65.37 65.37 65.37 65.37	50.349 50.349 50.356 50.356 50.356 50.356 50.356 50.356 50.356 50.356 50.362 50.362	95.764 95.767 95.77 95.764 95.767 95.767 95.77 95.77 95.773 95.773 95.773 95.773	52.453 52.446 52.44 52.434 52.427 52.421 52.415 52.415 52.402 52.396 52.396 52.39

Step-Rate Pumping Test Raw Groundwater Elevation Data Ortho-Clinical Diagnostics, Inc. Raritan, New Jersey

66	94.553	47.828	46.768	65.37	50.362	95.776	52.364

Test 10, Step 0 MW-29D Recovery

Elapsed Time	MW28	MW28D	MW29D	MW29	MW30D	MW34	MW34]
0	94.55	47.837	47.747	65.37	50.368	95.779	52.352
0.0083	94.55	47.837	47.763	65.37	50.368	95.779	52.346
0.0166	94.55	47.837	47.782	65.37	50.368	95.779	52.346
0.025	94.55	47.837	47.8	65.37	50.368	95.776	52.346
0.0333	94.55	47.837	47.819	65.37	50.368	95.779	52.346
0.0416	94.553	47.837	47.835	65.37	50.368	95.779	52.346
0.05	94.55	47.837	47.853	65.37	50.368	95.779	52.339
0.0583	94.55	47.837	47.872	65.37	50.368	95.776	52.339
0.0666	94.55	47.837	47.888	65.37	50.368	95.779	52.339
0.075	94.55	47.837	47.907	65.37	50.368	95.776	52.339
0.0833	94.55	47.837	47.925	65.37	50.368	95. 7 76	52.346
0.0916	94.55	47.837	47.944	65.37	50.368	95.779	52.339
0.1	94.55	47.837	47.96	65.37	50.368	95.776	52.339
0.1083	94.55	47.837	47.975	65.37	50.368	95.776	52.339
0.1166	94.553	47.837	47.994	65.37	50.368	95.776	52.339
0.125	94.55	47.837	48.01	65.37	50.368	95.776	52.346
0.1333	94.55	47.837	48.029	65.37	50.368	95.776	52.339
0.1416	94.55	47.837	48.044	65.37	50.368	95.776	52.339
0.15	94.55	47.837	48.06	65.37	50.368	95.776	52.339
0.1583	94.55	47.837	48.079	65.37	50.368	95.776	52.339
0.1666	94.55	47.837	48.094	65.37	50.368	95.779	52.339
0.175	94.55	47.837	48.11	65.37	50.368	95.779	52.339
0.1833	94.55	47.837	48.129	65.37	50.368	95.776	52.339
0.1916	94.55	47.837	48.144	65.37	50.368	95.776	52.339
0.2	94.55	47.837	48.16	65.37	50.368	95.776	52.339
0.2083	94.55	47.837	48.176	65.37	50.368	95.776	52.339
0.2166	94.55	47.837	48.191	65.37	50.368	95.776	52.339
0.225	94.55	47.837	48.207	65.37	50.368	95.779	52.339
0.2333	94.553	47.837	48.223	65.37	50.368	95.776	52.339
0.2416	94.55	47.837	48.241	65.37	50.368	95.776	52.339
0.25	94.55	47.837	48.254	65.37	50.368	95.779	52.339
0.2583	94.55	47.837	48.269	65.37	50.368	95.776	52.339
0.2666	94.55	47.837	48.285	65.37	50.368	95.776	52.339
0.275	94.55	47.837	48.301	65.37	50.368	95.776	52.339
0.2833	94.55	47.837	48.316	65.37	50.368	95.779	52.339
0.2916	94.55	47.837	48.332	65.37	50.368	95.776	52.339
0.3	94.55	47.837	48.348	65.37	50.368	95.776	52.339
0.3083	94.553	47.837	48.363	65.37	50.368	95.776	52.339
0.3166	94.55	47.837	48.376	65.37	50.368	95.779	52.339
0.325	94.55	47.837	48.391	65.37	50.368	95.776	52.339
0.3333	94.55	47.837	48.407	65.37	50.368	95.776	52.339
0.35	94.55	47.837	48.435	65.37	50.368	95.779	52.346
0.3666	94.55	47.837	48.467	65.37	50.368	95.776	52.339
0.3833	94.55	47.834	48.495	65.37	50.368	95.776	52.346
0.4	94.55	47.837	48.523	65.37	50.368	95.776	52.339
0.4166	94.55	47.837	48.551	65.37	50.368	95.776	52.346
0.4333	94.55	47.837	48.579	65.37	50.368	95.776	52.346
0.45	94.55	47.834	48.607	65.37	50.368	95.776	52.339
0.4666	94.55	47.837	48.635	65.37	50.368	95.776	52.339
0.4833	94.55	47.837	48.664	65.37	50.368	95.776	52.339
0.4855	94.55	47.834	48.692	65.37	50.368	95.776	52.339
0.5166	94.55	47.834	48.717				
0.5166	94.55	47.837	48.717	65.37	50.368	95.779	52.339
0.555	94.55	47.837		65.37	50.368	95.776	52.339
0.5666			48.77	65.37	50.368	95.776	52.339
	94.55	47.837	48.795	65.37	50.368	95.776	52.346
0.5833	94.55	47.837	48.82	65.37	50.368	95.776	52.339
0.6	94.55	47.837	48.848	65.37	50.368	95.779	52.346
0.6166	94.55	47.837	48.873	65.37	50.368	95.776	52.346
0.6333	94.55	47.837	48.898	65.37	50.368	95.776	52.339
0.65 0.6666	94.55	47.837	48.923	65.37	50.368	95.776	52.339
	94.55	47.837	48.948	65.37	50.368	95.776	52.339

							
0.7	94.55	47.837	48.995	65.37	50.368	95. 7 79	52.346
0.7166	94.55	47.834	49.02	65.37	50.368	95.779	52.339
0.7333	94.55	47.837	49.042	65.37	50.368	95.779	52.339
0.75	94.55	47.837	49.067	65.37	50.368	95.776	52.346
0.7666	94.55	47.834	49.092	65.37	50.368	95.776	52.339
0.7833	94.55	47.837	49.114	65.37	50.368	95.776	52.339
0.8	94.55	47.837	49.136	65.37	50.368	95.776	52.346
0.8166	94.55	47.837	49.161	65.37	50.368	95.779	52.346
0.8333	94.55	47.837	49.183	65.37	50.368	95.779	52.339
0.85	94.55	47.837	49.205	65.37	50.368	95,779	52.339
0.8666	94.55	47.837	49,227	65.37	50.368	95.779	52.339
0.8833	94.55	47.837	49.249	65.37	50.368	95.776	52,339
0.9	94.55	47.837	49.27	65.37	50.368	95.779	52.339
0.9166	94,553	47.837	49.292	65.37	50.368	95.779	52.339
0.9333	94.55	47.834	49.314	65.37	50.368	95.776	52.339
0.95	94.55	47.837	49,336	65.37	50.368	95.779	52,339
0,9666	94.55	47.837	49.358	65.37	50.368	95.776	52.339
0.9833	94.55	47.837	49.377	65.37	50.368	95.776	52.339
1	94.55	47.837	49,399	65.37	50.368	95.779	52.339
1.2	94.55	47.837	49.643	65,37	50.368	95.779	52.346
1.4	94.553	47.837	49.855	65.37	50.368	95.779	52.346
1.6	94.553	47.837	50.052	65.37	50.368	95.779	52.346
					-		
1.8	94.553	47.837 47.837	50.225 50.393	65.37 65.37	50.368	95.779 95.779	52.346 52.346
					} _		
2.2	94.55	47.837	50.553	65.37	50.368	95.779	52.339
2.4	94.55	47.837	. 50.7	65.37	50.368	95.779	52.339
2.6	94.55	47.837	50.838	65.37	50.368	95.779	52.346
2.8	94.55	47.837	50.966	65.37	50.368	95.779	52.339
3	94.553	47.837	51.088	65.37	50.368	95.779	52.339
3.2	94.55	47.84	51.204	65.37	50.368	95.779	52.339
3.4	94.55	47.837	51.313	65.37	50.368	95.779	52.339
3.6	94.553	47.837	51.416	65.37	50.368	95.779	52.339
3.8	94.55	47.837	51.517	65.37	50.368	95.779	52.339
4	94.55	47.837	51.61	65.37	50.368	95.779	52.339
4.2	94.55	47.837	51.698	65.37	50.368	95.779	52.339
4.4	94.55	47.837	51.786	65.37	50.368	95.779	52.339
4.6	94.55	47.837	51.867	65.37	50.368	95.779	52.339
4.8	94.55	47.837	51.945	65.37	50.368	95. 7 79	52.333
5	94.553	47.837	52.02	65.37	50.368	95.779	52.333
5.2	94.553	47.837	52.092	65.37	50.368	95.783	52.333
5.4	94.55	47.837	52.161	65.37	50.368	95.779	52.333
5.6	94.553	47.837	52.227	65.37	50.368	95.779	52.333
5.8	94.553	47.837	52.292	65.37	50.368	95 <i>.</i> 779	52.333
6	94.55	47.837	52.358	65.37	50.368	95.779	52.333
6.2	94.55	47.837	52.418	65.37	50.368	95.779	52.333
6.4	94.55	47.837	52.477	65.37	50.368	95.779	52.333
6.6	94.55	47.84	52.533	65.37	50.368	95.779	52.327
6.8	94.55	47.84	52.59	65.37	50.368	95.779	52.333
7	94.553	47.84	52.646	65.37	50.368	95.779	52.333
7.2	94.55	47.84	52.699	65.37	50.368	95.779	52.333
7.4	94.55	47.84	52.749	65.37	50.368	95.779	52.333
7.6	94.55	47.84	52.799	65.37	50.368	95.779	52.327
7.8	94.55	47.84	52.846	65.37	50.368	95.779	52.327
8	94.55	47.84	52.893	65.37	50.368	95.779	52.327
8.2	94.55	47.84	52.893	65.37	50.368	95.779	52.327
8.4	94.55	47.84	52.984	65.37	50.368	95.779	52.327
8.6	94.55	47.837	53.028	65.37	50.368	95.779	52.327
8.8	94.55	47.84	53.028	65.37	50.368	95.779	52.327
9	94.55	47.84					
			53.112	65.37	50.368	95.783	52.327
9.2	94.55	47.84	53.153	65.37	50.368	95.779	52.327
9.4	94.55	47.84	53.193	65.37	50.368	95.779	52.327
9.6	94.55	47.837	53.234	65.37	50.368	95.779	52.327
9.8	94.55	47.837	53.272	65.37	50.368	95.779	52.327
10	94.55	47.824	53.309	65.37	50.368	95.779	52.333
12	94.55	47.828	53.647	65.37	50.368	95.783	52.333
14	94.55	47.828	53.926	65.37	50.368	95.786	52.333
16	94.55	47.828	54.163	_65.37_	50.368	95.783	52.327

Step-Rate Pumping Test Raw Groundwater Elevation Data Ortho-Clinical Diagnostics, Inc.

Raritan, New Jersey

10	04.55	47.004	54.000	(5.00	50.050	05.505	50.000
18	94.55	47.824	54.379	65.37	50.368	95.786	52.333
20	94.55	47.828	54.567	65.37	50.368	95.786	52.333
22	94.55	47.828	54.733	65.37	50.368	95.786	52.333
24	94.55	47.828	54.883	65.37	50.375	95.786	52.333
26	94.547	47.828	55.018	65.37	50.375	95.789	52.333
28	94.55	47.828	55.143	65.37	50.375	95.789	52.339
30	94.55	47.824	55.255	65.37	50.375	95.792	52.339
32	94.55	47.828	55.355	65.37	50.375	95.792	52.346
34	94.547	47.828	55.446	65.37	50.375	95.792	52.346
36	94.547	47.828	55.534	65.37	50.368	95.792	52.346
38	94.547	47.828	55.615	65.37	50.375	95.792	52.346
40	94.547	47.831	55.693	65.37	50.375	95.795	52.352
42	94.547	47.831	55.762	65.37	50.375	95.795	52.352
44	94.547	47.831	55.828	65.37	50.375	95.795	52.358
46	94.547	47.831	55.884	65.37	50.375	95.798	52.358
48	94.547	47.831	55.941	65.37	50.375	95.798	52.358
50	94.547	47.834	55.997	65.37	50.381	95.798	52.364
52	94.547	47.834	56.05	65.37	50.381	95.798	52.364
54	94.547	47.834	56.097	65.37	50.381	95.798	52.371
56	94.544	47.834	56.138	65.37	50.381	95.798	52.371
58	94.544	47.834	56.182	65.37	50.381	95.802	52.377
60	94.544	47.834	56.222	65.37	50.381	95.802	52.371
62	94.544	47.834	56.26	65.37	50.375	95.802	52.371
64	94.544	47.843	56.294	65.37	50.375	95.805	52.377
66	94.544	47.843	56.332	65.37	50.375	95.805	52.383
68	94.544	47.847	56.369	65.37	50.394	95.798	52.383
70	94.544	47.847	56.401	65.37	50.394	95.798	52.39
72	94.544	47.847	56.432	65.37	50.394	95.802	52.39
74	94.544	47.85	56.463	65.37	50.4	95.802	52.396
76	94.541	47.85	56.488	65.37	32.796	95.805	52.39
78	94.544	47.853	56.516	65.37	32.777	95.805	52.396
80	94.544	47.853	56.541	65.37	32.777	95.805	52.396
82	94.544	47.856	56.566	65.37	32.777	95.805	52.396
84	94.541	47.856	56.588	65.37	50.66	95.805	52.396
86	94.541	47.859	56.61	65.37	50.647	95.808	52.396
88	94.541	47.859	56.635	65.37	50.634	95.811	52.402
90	94.541	47.862	56.657	65.37	50.615	95.811	52.409
92	94.541	47.862	56.676	65.37	50.603	95.811	52.409
94	94.541	47.866	56.698	65.37	50.584	95.811	52.415
96	94.541	47.866	56.717	65.37	50.571	95.811	52.415
98	94.541	47.869	56.739	65.37	50.425	95.814	52.415
100	94.541	47.872	56.754	65.37	50.222	95.814	52.421
102	94.541	47.875	56.773	65.37	50.394	95.814	52.421
104	94.541	47.878	56.789	65.37	50.489	95.817	52.427
106	94.541	47.881	56.804	65.37	50.489	95.817	52.427
108	94.541	47.881	56.82	65.37	50.482	95.821	52.427
110	94.537	47.881	56.832	65.37	50.482	95.821	52.427
112	94.541	47.885	56.848	65.37	50.47	95.821	52.434
114	94.537	47.888	56.864	65.37	50.47	95.824	52.44
116	94.537	47.891	56.876	65.37	50.463	95.821	52.44
118	94.537	47.897	56.895	65.37	50.463	95.821	52.44
120	94.537	47.897	56.907	65.37	50.47	95.821	52.446
	j 74.JJ/	41.071	30.907	05.57	30.47	33.021	JZ.44U
122	94.534	47.904	56.92	65.37	50.47	95.824	52.453

Test 10, Step 1 MW-30D Pump test (0.75 gpm)

Start: 12/10/99 11:18 Stop: 12/10/99 13:58

Elapsed Time	MW28	MW28D	MW29D	MW29	MW30D	MW34	MW34D
0	94.537	47.919	56.939	65.37	50.451	95.827	52.44
0.0083	94.537	47.916	56.939	65.37	50.451	95.827	52.44
0.0166	94.537	47.916	56.939	65.37	50.444	95.827	52.434
0.025	94.537	47.916	56.939	65.37	50.444	95.827	52.434
0.0333	94.537	47.916	56.939	65.37	50.432	95.827	52.434
0.0416	94.537	47.916	56.939	65.37	50.425	95.827	52.434
0.05	94.537	47.916	56.939	65.37	50.432	95.827	52.434
0.0583	94.537	47.916	56.939	65.37	50.419	95.827	52.434
0.0666	94.537	47.916	56.939	65.37	50.413	95.827	52.434

47.916 47.916 47.916 47.916 47.916 47.916 47.916 47.916 47.916 47.916 47.916 47.916 47.919 47.919 47.919 47.919 47.919 47.916 47.919 47.916 47.919 47.916 47.919 47.916 47.919 47.916 47.919 47.916 47.919 47.919	56.939 56.939 56.939 56.939 56.939 56.939 56.939 56.939 56.939 56.939 56.939 56.939 56.939 56.939 56.939 56.939 56.939 56.939 56.939 56.939	65.37 65.37 65.37 65.37 65.37 65.37 65.37 65.37 65.37 65.37 65.37 65.37 65.37 65.37 65.37 65.37 65.37 65.37	50.4 50.4 50.387 50.375 50.362 50.349 50.343 50.324 50.311 50.298 50.279 50.267 50.254 50.235 50.216 50.203 50.191 50.172	95.827 95.827 95.827 95.824 95.827 95.827 95.827 95.827 95.827 95.827 95.827 95.827 95.827 95.827 95.827 95.827 95.827 95.827	52.434 52.434 52.434 52.434 52.434 52.434 52.434 52.434 52.434 52.434 52.434 52.434 52.434 52.434 52.434 52.434
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47.916 47.916 47.916 47.916 47.916 47.916 47.916 47.916 47.916 47.916 47.919 47.919 47.919 47.919 47.919 47.919 47.919 47.919 47.916 47.919 47.916 47.919 47.916 47.919 47.916 47.919 47.916 47.919	56.939 56.939 56.939 56.939 56.939 56.939 56.939 56.939 56.939 56.939 56.939 56.939 56.939 56.939 56.939 56.939	65.37 65.37 65.37 65.37 65.37 65.37 65.37 65.37 65.37 65.37 65.37 65.37 65.37 65.37 65.37 65.37	50.387 50.375 50.362 50.349 50.343 50.324 50.311 50.298 50.279 50.267 50.254 50.235 50.216 50.203 50.191 50.172	95.824 95.827 95.827 95.827 95.827 95.827 95.827 95.827 95.827 95.827 95.827 95.827 95.827 95.827 95.827 95.827	52.434 52.434 52.434 52.434 52.434 52.434 52.434 52.434 52.434 52.434 52.434 52.434 52.434
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47.916 47.919 47.919 47.916 47.919 47.916 47.919 47.916 47.919 47.916 47.919 47.919	56.939 56.939 56.939 56.939 56.939 56.939 56.939 56.939	65.37 65.37 65.37 65.37 65.37 65.37 65.37	50.254 50.235 50.216 50.203 50.191 50.172	95.827 95.827 95.827 95.827 95.827	52.434 52.44 52.434 52.434
47.919 47.919 47.916 47.919 47.916 47.919 47.916 47.916 47.919 47.919 47.919	56.939 56.939 56.939 56.939 56.939 56.939 56.939	65.37 65.37 65.37 65.37 65.37 65.37	50.235 50.216 50.203 50.191 50.172	95.827 95.827 95.827 95.827	52.44 52.434 52.434
47.916 47.919 47.916 47.919 47.916 47.916 47.919 47.916 47.919 47.919	56.939 56.939 56.939 56.939 56.939 56.939	65.37 65.37 65.37 65.37 65.37	50.216 50.203 50.191 50.172	95.827 95.827 95.827	52.434 52.434
47.919 47.916 47.919 47.916 47.916 47.919 47.916 47.919 47.919	56.939 56.939 56.939 56.939 56.939	65.37 65.37 65.37	50.203 50.191 50.172	95.827 95.827	52.434
47.916 47.919 47.916 47.916 47.919 47.916 47.919 47.919	56.939 56.939 56.939 56.939 56.939	65.37 65.37 65.37	50.191 50.172	95.827	
47.919 47.916 47.916 47.919 47.916 47.919 47.919	56.939 56.939 56.939	65.37	50.172	95.827	
47.916 47.916 47.919 47.916 47.919 47.919	56.939 56.939	65.37	+		52.434
47.916 47.919 47.916 47.919 47.919	56.939		50.159	95.827	52.434
47.916 47.919 47.916 47.919 47.919	56.939		50.146	95.827	52.434
47.919 47.916 47.919 47.919		65.37	50.127	95.827	52.44
47.916 47.919 47.919	」 しし・ブンブ	65.37	50.121	95,827	52.434
47.919	56.939	65.37	50,102	95.827	52,434
47.919	56.939	65.37	50.089	95.827	52.434
45.5.5	56.939	65.37	50.07	95.827	52,434
47.916	56.939	65.37	50.07	95.827	52.434
47.919	56.942	65.37	50.058	95.827	52.434
47.916	56.939	65.37	50.045	95.827	52.434
47.919	56.939	65.37	50.026	95.827	52.434
47.916	56.939	65.37	50.013	95.827	52.434
47.916	56.942	65.37	50.007	95.827	52,434
47.916	56.942	65.37	49.982	95.827	52.44
47.919	56.942	65.37	49.963	95.827	52.44
47.916	56.939	65.37	49.931	95.827	52.44
47.919	56.942	65.37	49.925	95.827	52.434
47.919	56.942	65.37	49.893	95.827	52.44
47.916	56.942	65.37	49.874	95.827	52.44
47.916	56.942	65.37	49.849	95.827	52.434
47.919	56.942	65.37	49.817	95.827	52.44
47.916	56.942	65.37	49.804	95.827	52.434
47.919	56.942	65.37	49.785	95.827	52.44
47.919	56.942	65.37	49.773	95.827	52.434
47.919	56.942	65.37	49.76	95.827	52.434
47.919	56.942	65.37	49.747	95.827	52.434
47.916	56.942	65.37	49.735	95.827	52.434
47.916	56.942	65.37	49.722	95.827	52.44
47.919	.56.942	65.37	49.703	95.827	52.44
47.919	56.942	65.37	49.678	95.827	52.44
47.919	56.942	65.37	49.652	95.827	52.434
47.919	56.942	65.37	49.633	95.827	52.44
47.919	56.942	65.37	49.621	95.827	52.44
47.919	56.945	65.37	49.608	95.827	52.44
47.919	56.945	65.37	49.583	95.827	52.44
47.919	56.945	65.37	49.57	95.827	52.44
47.919	56.942	65.37	49.551	95.827	52.44
47.919	56.945	65.37	49.538	95.827	52.434
47.919	56.945	65.37	49.526	95.827	52.44
			49.513	95.827	52.44
1 47012			1	95.827	52.44
	56.945		49.494	95.827	52.44
47.919	56.945	65.37	49.488	95.827	52.44
47.919 47.919	56.945	65.37	49.475	95.827	52.44
47.919 47.919 47.919	56.945		49.469	95.827	52.44
47.919 47.919 47.919 47.919	56.945		49.462	95.827	52.44
47.919 47.919 47.919 47.919 47.919	56.945	65.37	49.456	95.827	52.44
	47.916 47.919 47.919 47.919 47.919 47.919 47.919	47.916 56.945 47.919 56.945 47.919 56.945 47.919 56.945 47.919 56.945 47.919 56.945	47.916 56.945 65.37 47.919 56.945 65.37 47.919 56.945 65.37 47.919 56.945 65.37 47.919 56.945 65.37 47.919 56.945 65.37 47.919 56.945 65.37 47.919 56.945 65.37 47.919 56.945 65.37	47.916 56.945 65.37 49.5 47.919 56.945 65.37 49.494 47.919 56.945 65.37 49.488 47.919 56.945 65.37 49.475 47.919 56.945 65.37 49.469 47.919 56.945 65.37 49.462 47.919 56.945 65.37 49.456	47.916 56.945 65.37 49.5 95.827 47.919 56.945 65.37 49.494 95.827 47.919 56.945 65.37 49.488 95.827 47.919 56.945 65.37 49.475 95.827 47.919 56.945 65.37 49.469 95.827 47.919 56.945 65.37 49.462 95.827 47.919 56.945 65.37 49.462 95.827 47.919 56.945 65.37 49.456 95.827

							
0.9333	94.537	47.919	56.945	65.37	49.45	95.827	52.44
0.95	94.537	47.919	56.945	65.37	49.443	95.827	52.44
0.9666	94.534	47.919	56.945	65.37	49.437	95.827	52.44
0.9833	94.534	47.919	56.945	65.37	49.437	95.827	52.44
1	94.534	47.919	56.945	65.37	49.43	95.827	52.44
1.2	94.537	47.922	56.948	65.37	49.399	95.83	52.44
1.4	94.537	47.922	56.948	65.37	49.367	95.83	52.44
1.6	94.537	47.922	56.951	65.37	49.342	95.83	52.446
1.8	94.537	47.922	56.951	65.37	49.316	95.83	52.446
2	94.537	47.922	56.954	65.37	49.215	95.83	52.446
2.2	94.537	47.922	56.954	65.37	48.987	95.83	52.446
2.4	94.537	47.922	56.958	65.37	48.772	95.83	52.446
2.6	94.537	47.926	56.958	65.37	48.721	95.83	52.446
2.8	94.537	47.926	56.961	65.37	48.354	95.83	52.446
3	94.537	47.926	56.961	65.37	48.164	95.83	52.446
3.2	94.537	47.926	56.961	65.37	47.974	95.83	52.446
3.4	94.537	47.929	56.961	65.37	47.79	95.83	52.453
3.6	94.537	47.929 47.929	56.964	65.37	47.632	95.83	52.453
3.8	94.537		56.97	65.37	47.474	95.833	52.453
	94.537	47.929	56.97	65.37	47.347	95.83	52.453
4.2	94.541	47.926	56.97	65.37 65.37	47.239	95.83	52.453
4.4	94.537 94.537	47.926	56.97 56.97		47.17	95.83	52.453
4.8	94.537	47.926 47.926	56.97 56.973	65.37	47.132	95.83	52.446
4.8 5	94.537	47.926	56.973 56.973	65.37	47.119	95.83	52.453
5.2	94.537	47.926	56.973	65.37 65.37	47.1 47.106	95.83 95.83	52.446 52.446
5.4	94.537	47.926	56.973	65.37		95.83	52.446
5.6	94.537	47.926	56.976	65.37	47.138 47.132	95.833	52.453
5.8	94.537	47.926	56.976	65.37	47.152	95.833	52,453
6	94.537	47.926	56.976	65.37	47.176	95.83	52,453
6.2	94.537	47.926	56.976	65.37	47.170	95.83	52.453
6.4	94.537	47.926	56.979	65.37	46.885	95.833	52.453
6.6	94.537	47.926	56.979	65.37	46.676	95.833	52.453
6.8	94.541	47.929	56.979	65.37	46.473	95.83	52.453
7	94.537	47.926	56.979	65.37	46.277	95.83	52.453
7.2	94.537	47.926	56.983	65.37	46.144	95.83	52.453
7.4	94.537	47.929	56.983	65.37	46.195	95.83	52.453
7.6	94.537	47.929	56.983	65.37	46.081	95.833	52,453
7.8	94.537	47.929	56.983	65,37	45.942	95.833	52.453
8	94.537	47.929	56.986	65.37	45.802	95.83	52.453
8.2	94.537	47.929	56.986	65.37	45.663	95.83	52.453
8.4	94.537	47.929	56.989	65,37	45.53	95.833	52.453
8.6	94.537	47.929	56.989	65.37	45.404	95.833	52.453
8.8	94.537	47.929	56.989	65.37	45.328	95.833	52.453
9	94.537	47.929	56.989	65.37	45.315	95.833	52.453
9.2	94.537	47.932	56.989	65.37	45.315	95.83	52.453
9.4	94.537	47.932	56.992	65.37	45.315	95.83	52.453
9.6	94.537	47.932	56.995	65.37	45.315	95.833	52.459
9.8	94.537	47.932	56.995	65.37	45.315	95.833	52.459
10	94.537	47.919	56.995	65.37	44.936	95.83	52.465
12	94.537	47.926	57.008	65.37	44.518	95.833	52.472
14	94.537	47.926	57.017	65.37	44.17	95.833	52.465
16	94.537	47.926	57.026	65.37	43.841	95.833	52.472
18	94.537	47.929	57.036	65.37	43.531	95.836	52.472
20	94.537	47.926	57.045	65.37	43.234	95.836	52.472
22	94.537	47.926	57.055	65.37	46.435	95.836	52.472
24	94.537	47.926	57.061	65.37	47.847	95.836	52.472
26	94.537	47.929	57.07	65.37	48.1	95.84	52.478
28	94.534	47.929	57.076	65.37	48.335	95.84	52.478
30	94.534	47.929	57.086	65.37	48.55	95.84	52.478
32	94.534	47.932	57.089	65.37	48.746	95.84	52.478
34	94.534	47.932	57.098	65.37	48.924	95.84	52.484
36	94.537	47.935	57.108	65.37	49.095	95.843	52.484
30			57.114	65.37	49.24	95.843	52.484
38	94.534	47.933	J J/.114	1 02.27			
	94.534 94.534	47.935 47.938					
38	94.534 94.534 94.534	47.938 47.938	57.12 57.13	65.37 65.37	49.38 49.507	95.843 95.846	52.484 52.49

Step-Rate Pumping Test Raw Groundwater Elevation Data Ortho-Clinical Diagnostics, Inc.

Raritan,	New	Jersey

46	94.534	47.938	57.139	65.37	49.722	95.849	52.49
48	94.534	47.941	57.145	65.37	49.817	95.846	52.49
50	94.534	47.938	57.152	65.37	49.899	95.846	52.497
52	94.534	47.945	57.158	65.37	49.975	95.849	52.497
54	94.534	47.948	57.161	65.37	50.039	95.849	52.497
56	94.534	47.948	57.17	65.37	50.102	95.852	52,497
58	94.534	47.948	57.173	65.37	50.153	95.852	52.503
60	94.534	47.948	57.177	65.37	50.197	95.852	52.497
62	94.534	47.948	57.183	65.37	50.235	95.852	52.497
64	94.534	47.948	57.186	65.37	50.273	95.852	52.497
66	94.534	47.951	57.189	65.37	50.298	95.855	52.503
68	94.534	47.954	57.195	65.37	50.324	95.855	52.497
70	94.534	47.951	57.202	65.37	50.349	95.855	52.497
72	94.534	47.954	57.205	65.37	50.368	95.859	52.497
74	94.534	47.954	57.211	65.37	50.381	95.859	52.503
76	94.534	47.954	57.217	65.37	50.394	95.859	52.503
78	94.534	47.954	57.22	65.37	50.406	95.859	52.503
80	94.534	47.954	57.224	65.37	50.419	95.862	52.503
82	94.534	47.954	57.224	65.37	50.425	95.862	52.503
84	94.531	47.954	57.227	65.37	50.432	95.862	52.503
86	94.531	47.957	57.23	65.37	50.438	95.862	52.503
88	94.531	47.957	57.236	65.37	50.438	95.865	52.503
90	94.531	47.964	57.242	65.37	50.444	95.865	52.509
92	94.531	47.967	57.245	65.37	50.444	95.865	52.509
94	94.531	47.97	57.245	65.37	50.451	95.865	52.509
96	94.531	47.973	57.249	65.37	50.451	95.862	52.503
98	94.531	47.973	57.255	65.37	50.457	95.865	52.509
100	94.531	47.976	57.261	65.37	50.463	95.865	52.509
102	94.531	47.976	57.27	65.37	50.47	95.868	52.509
104	94.531	47.979	57.28	65.37	50.476	95.874	52.522
106	94.531	47.983	57.283	65.37	50.476	95.874	52.528
108	94.531	47.983	57.286	65.37	50.476	95.874	52.528
110	94.531	47.983	57.286	65.37	50.476	95.878	52.528
112	94.531	47.986	57.292	65.37	50.482	95.878	52.528
114	94.531	47.986	57.292	65.37	50.482	95.878	52.528
116	94.531	47.986	57.292	65.37	50.482	95.878	52.528
118	94.531	47.989	57.296	65.37	50.482	95.878	52.528
120	94.531	47.992	57.299	65.37	50.482	95.881	52.528
122	94.531	47.992	57.305	65.37	50.489	95.881	52.528
124	94.531	47.992	57.308	65.37	50.489	95.881	52.528
126	94.531	47.992	57.311	65.37	50.495	95.884	52.535
128	94.531	47.995	57.311	65.37	50.501	95.884	52.535
130	94.531	47.995	57.317	65.37	50.514	95.884	52.535
132	94.531	47.998	57.317	65.37	50.527	95.884	52.535
134	94.531	47.998	57.321	65.37	50.546	95.887	52.535
136	94.531	47.998	57.324	65.37	50.565	95.887	52.535
138	94.534	47.998	57.324	65.37	50.603	95.887	52.535
140	94.531	48.002	57.324	65.37	50.647	95.887	52.535
142	94.531	48.002	57.33	65.37	50.71	95.89	52.535
144	94.531	48.005	57.333	65.37	50.761	95.89	52.541
146	94.531	48.008	57.336	65.37	50.812	95.893	52.541
148	94.531	48.008	57.339	65.37	50.856	95.893	52.541
150	94.531	48.014	57.342	65.37	50.894	95.893	52.541
152	94.531	48.017	57.349	65.37	50.926	95.897	52.547
154	94.531	48.017	57.352	65.37	50.951	95.897	52.547
156	94.534	48.021	57.352	65.37	50.964	95.9	52.547
158	94.531	48.021	57.352	65.37	50.97	95.897	52.547
160	94.528	48.021	57.355	65.37	50.977	95.9	52.553

Test 11, Step 0 MW-29D Pump test (1.9 gpm)

Start: 12/10/99 14:11 Stop: 12/10/99 15:17

Elapsed Time	MW28	MW28D	MW29D	MW29	MW30D	MW34	MW34D
0	94.525	48.04	57.383	65.37	50.945	95.906	52.547
0.0083	94.528	48.04	57.342	65.37	50.945	95.906	52.547
0.0166	94.528	48.04	57.317	65.37	50.945	95.903	52.547
0.025	94.528	48.04	57.367	65.37	50.945	95.903	52.547
0.0333	94.525	48.04	57.352	65.37	50.945	95.903	52.547

0.0416	94.525	48.04	57.402	65.37	50.945	95.903	52.541
0.05	94.525	48.04	57.361	65.37	50.945	95.903	52.541
0.0583	94.525	48.04	57.358	65.37	50.945	95.906	52.541
0.0666	94.525	48.04	57.33	65.37	50.945	95.903	52.541
0.075	94.525	48.04	57.349	65.37	50.945	95.903	52.541
0.0833	94.525	48.04	57.396	65.37	50.945	95.903	52.541
0.0916	94.525	48.04	57.364	65.37	50.945	95.903	52.541
0.1	94.525	48.04	57.361	65.37	50.945	95.903	52.541
0.1083	94.525	48.04	57.342	65.37	50.945	95.903	52.547
0.1166	94.525	48.04	57.346	65.37	50.945	95.903	52.541
0.125	94.525	48.04	57.377	65.37	50.945	95.903	52.541
0.1333	94.525	48.04	57.377	65.37	50.945	95.903	52.541
0.1416	94.525	48.04	57.355	65.37	50.945	95.903	52.541
0.15	94.525	48.04	57.342	65.37	50.945	95.903	52.541
0.1583	94.525	48.04	57.305	65.37	50.945	95.903	52.541
0.1666	94.525	48.04	57.367	65.37	50.945	95.906	52.541
0.175	94.525	48.04	57.371	65.37	50.945	95.903	52.541
0.1833	94.528	48.04	57.311	65.37	50.945	95.903	52.541
0.1916	94.525	48.04	57.33	65.37	50.945	95.903	52.541
0.2	94.525	48.04	57.383	65.37	50.945	95.903	52.541
0.2083	94.525	48.04	57.339	65.37	50.945	95.903	52.541
0.2166	94.525	48.04	57.361	65.37	50.945	95.903	52.541
0.225	94.525	48.04	57.317	65.37	50.945	95.903	52.541
0.2333	94.525	48.04	57.371	65.37	50.945	95.903	52.541
0.2416 0.25	94.525	48.04	57.349	65.37	50.945	95.903	52.541
0.25	94.525	48.043	57.374	65.37	50.945	95.903	52.541
0.2666	94.525	48.04	57.352	65.37	50.945	95.906	52.541
0.275	94.525	48.04	57.342	65.37	50.945	95.903	52.541
0.2833	94.528	48.043	57.361	65.37	50.945	95.903	52.541
0.2833	94.525	48.04 48.04	57.364	65.37	50.945	95.903	52.541
0.2910	94.528	48.04	57.336	65.37	50.945	95.903	52.541
0.3083	94.525	48.04	57.361 57.374	65.37	50.945	95.903	52.541
0.3166	94.525	48.04	57.411	65.37 65.37	50.945	95.906	52.541
0.325	94.525	48.04	57.377	65.37	50.945 50.945	95.903	52.541
0.3333	94.525	48.04	57.371	65.37	50.945	95.903 95.903	52.541 52.541
0.35	94.525	48.04	57.367	65.37	50.945	95.903	52.547
0.3666	94.528	48.04	57.333	65.37	50.945	95,903	52.541
0.3833	94.525	48.043	57.355	65.37	50.945	95.903	52.547
0.4	94.525	48.04	57.358	65.37	50.945	95.906	52.547
0.4166	94.528	48.04	57.317	65.37	50.945	95.903	52.541
0.4333	94.525	48.04	57.346	65.37	50.939	95.906	52.547
0.45	94.525	48.04	57.367	65.37	50.945	95.906	52.547
0.4666	94.525	48.04	57.364	65.37	50.945	95.903	52.547
0.4833	94.525	48.04	57.324	65.37	50.945	95.903	52.541
0.5	94.525	48.043	57.336	65.37	50.945	95.903	52.541
0.5166	94.525	48.04	57.33	65.37	50.945	95.903	52.547
0.5333	94.528	48.04	57.396	65.37	50.945	95.903	52.547
0.55	94.528	48.04	57.339	65.37	50.945	95.903	52.547
0.5666	94.528	48.04	57.361	65.37	50.939	95.906	52.547
-0.5833	94.525	48.043	57.33	65.37	50.945	95.903	52.547
0.6	94.525	48.043	57.346	65.37	50.939	95.903	52.547
0.6166	94.525	48.04	57.358	65.37	50.945	95.906	52.541
0.6333	94.525	48.043	57.339	65.37	50.939	95.903	52.547
0.65	94.528	48.043	57.342	65.37	50.945	95.906	52.547
0.6666	94.525	48.043	57.358	65.37	50.945	95.906	52.541
	94.528	48.04	57.346	65.37	50.939	95.903	52.547
0.6833				65.37	50.945	95.906	52.547
0.6833	94.528	48.04	57.374				
	94.528 94.525	48.04 48.04	57.361				52.541
0.7				65.37	50.939	95.903	52.541 52.541
0.7 0.7166	94.525	48.04	57.361	65.37 65.37	50.939 50.939	95.903 95.903	52.541
0.7 0.7166 0.7333	94.525 94.528	48.04 48.04	57.361 57.371	65.37	50.939 50.939 50.945	95.903 95.903 95.903	52.541 52.541
0.7 0.7166 0.7333 0.75	94.525 94.528 94.528	48.04 48.04 48.04	57.361 57.371 57.292	65.37 65.37 65.37 65.37	50.939 50.939 50.945 50.939	95.903 95.903 95.903 95.903	52.541 52.541 52.547
0.7 0.7166 0.7333 0.75 0.7666	94.525 94.528 94.528 94.528	48.04 48.04 48.04 48.04	57.361 57.371 57.292 57.333	65.37 65.37 65.37 65.37 65.37	50.939 50.939 50.945 50.939 50.945	95.903 95.903 95.903 95.903 95.903	52.541 52.541 52.547 52.547
0.7 0.7166 0.7333 0.75 0.7666 0.7833	94.525 94.528 94.528 94.528 94.528	48.04 48.04 48.04 48.04 48.04	57.361 57.371 57.292 57.333 57.352	65.37 65.37 65.37 65.37	50.939 50.939 50.945 50.939 50.945 50.945	95.903 95.903 95.903 95.903 95.903 95.906	52.541 52.541 52.547 52.547 52.547
0.7 0.7166 0.7333 0.75 0.7666 0.7833 0.8	94.525 94.528 94.528 94.528 94.528 94.528	48.04 48.04 48.04 48.04 48.04	57.361 57.371 57.292 57.333 57.352 57.38	65.37 65.37 65.37 65.37 65.37 65.37	50.939 50.939 50.945 50.939 50.945	95.903 95.903 95.903 95.903 95.903	52.541 52.541 52.547 52.547

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0.8666		48.04	57.352	65.37	50.939	95.906	52.547
0.8833		48.04	57.386	65.37	50.945	95.906	52.547
0.9	94.528	48.04	57.364	65.37	50.939	95.906	52.541
0.9166		48.04	57.374	65.37	50.939	95.903	52.547
0.9333		48.04	57.361	65.37	50.945	95.906	52.541
0.95	94.525	48.04	57.374	65.37	50.939	95.906	52.547
0.9666		48.04	57.349	65.37	50.945	95.906	52.547
0.9833		48.04	57.364	65.37	50.939	95.906	52.547
1	94.525	48.04	57.299	65.37	50.939	95.906	52.547
1.2	94.528	48.043	56.983	65.37	50.939	95.906	52.547
1.4	94.528	48.04	56.729	65.37	50.939	95.903	52.547
1.6	94.528	48.043	56.479	65.37	50.939	95.906	52.547
1.8	94.528	48.043	56.225	65.37	50.939	95.906	52.547
2	94.528	48.043	56.053	65.37	50.939	95.906	52.547
2.2	94.528	48.043	56.019	65.37	50.939	95.906	52.553
2.4	94.531	48.043	55.944	65.37	50.939	95.906	52.553
2.6	94.528	48.043	55.872	65.37	50.932	95.906	52.547
2.8	94.528	48.043	55.809	65.37	50.932	95.906	52.553
3	94.531	48.043	55.787	65.37	50.939	95.909	52.553
3.2	94.528	48.043	55.703	65.37	50.932	95.906	52.553
3.4	94.528	48.043	55.653	65.37	50.932	95.909	52.547
3.6	94.528	48.043	55.615	65.37	50.932	95.909	52.547
3.8	94.528	48.043	55.578	65.37	50.932	95.906	52.553
4	94.531	48.043	55.568	65.37	50.932	95.906	52.547
4.2	94.531	48.043	55.49	65.37	50.932	95.906	52.553
4.4	94.531	48.043	55.427	65.37	50.932	95.906	52.547
4.6	94.531	48.043	55.362	65.37	50.932	95,909	52.553
4.8	94.531	48.043	55.377	65.37	50.932	95.906	52.547
5	94.528	48.043	55.315	65.37	50.926	95.909	52.547
5.2	94.531	48.043	55.258	65.37	50.926	95.909	52.553
5.4	94.531	48.046	55.28	65.37	50.926	95.906	52.553
5.6	94.531	48.043	55.199	65.37	50.932	95.909	52.553
6	94.53 <u>1</u> 94.531	48.046	55.19	65.37	50.926	95.909	52.553
6.2	94.531	48.046 48.043	55.18	65.37	50.926	95.909	52.553
6.4	94.531	48.046	55.152	65.37	50.926	95.909	52.553
6.6	94.531	48.046	55.121 55.09	65.37 65.37	50.926	95.906	52.553
6.8	94.531	48.043	55,064	65.37	50.926 50.926	95.906 95.909	52.553 52.553
7	94.531	48.046	55.027	65.37	50.926	95.909	52.553
7.2	94.531	48.046	54.989	65.37	50.92	95.909	
7.4	94.531	48.046	55.008	65.37	50.92	95.909	52.553 52.553
7.6	94.531	48.046	54.964	65.37	50.92	95.909	52.553
7.8	94.531	48.049	54.921	65.37	50.92	95.909	52.553
8	94.531	48.049	54.933	65.37	50.92	95.909	52.553
8.2	94.531	48.049	54.877	65.37	50.92	95.909	52.553
8.4	94.531	48.049	54.861	65.37	50.92	95.909	52.553
8.6	94.531	48.049	54.805	65.37	50.926	95.909	52.553
8.8	94.531	48.049	54.805	65.37	50.926	95.909	52.553
9	94.531	48.049	54.777	65.37	50.926	95.909	52.553
9.2	94.531	48.049	54.777	65.37	50.926	95.909	52.553
9.4	94.531	48.049	54.717	65.37	50.92	95.909	52.553
9.6	94.531	48.046	54.767	65.37	50.92	95.909	52.553
9.8	94.531	48.049	54.698	65.37	50.92	95.909	52.547
10	94.531	48.036	54.692	65.37	50.92	95.912	52.56
12	94.531	48.04	54.514	65.37	50.913	95.912	52.56
14	94.534	48.046	54.376	65.37	50.913	95.912	52.553
16	94.537	48.049	54.267	65.37	50.913	95.916	52.553
18	94.534	48.052	54.166	65.37	50.92	95.916	52.553
20	94.534	48.059	54.06	65.37	50.926	95.912	52.56
		48.059	53.957	65.37	50.932	95.912	52.553
22	94.537			65.37	50.939	95.916	52.553
	94.537 94.541	48.062	53.91				
22 24		48.062 48.068	53.91 53.8				
22 24 26	94.541 94.541	48.068	53.8	65.37	50.951	95.916	52.553
22 24	94.541 94.541 94.544	48.068 48.071	53.8 53.779	65.37 65.37	50.951 50.964	95.916 95.919	52.553 52.547
22 24 26 28	94.541 94.541 94.544 94.547	48.068 48.071 48.071	53.8 53.779 53.7	65.37 65.37 65.37	50.951 50.964 50.977	95.916 95.919 95.919	52.553 52.547 52.547
22 24 26 28 30	94.541 94.541 94.544	48.068 48.071	53.8 53.779	65.37 65.37	50.951 50.964	95.916 95.919	52.553 52.547

Step-Rate Pumping Test Raw Groundwater Elevation Data Ortho-Clinical Diagnostics, Inc. Raritan, New Jersey

38	94.553	48.081	53.488	65.37	51.021	95.925	52.541
40	94.556	48.087	53.466	65.37	51.027	95.925	52.547
42	94.566	48.087	53.406	65.37	51.034	95.928	52.547
44	94.566	48.084	53.362	65.37	51.034	95.931	52.541
46	94.569	48.081	53.344	65.37	51.04	95.928	52.541
48	94.569	48.078	53.309	. 65.37	51.04	95.928	52.535
50	94.572	48.074	53.247	65.37	51.04	95.931	52.535
52	94.572	48.074	53.222	65.37	51.027	95.931	52.522
54	94.578	48.074	53.159	65.37	51.027	95.935	52.522
56	94.582	48.074	53.121	65.37	51.021	95.935	52.522
58	94.582	48.078	53.137	65.37	51.015	95.935	52.516
60	94.588	48.074	53.096	65.37	51.008	95.938	52.516
62	94.588	48.071	53.084	65.37	51.002	95.938	52.509
64	94.591	48.071	53.071	65.37	50.996	95.941	52.509
66	94.594	48.071	52.993	65.37	50.996	95.941	52.503

Test 11, Step 1 MW-29D Recovery
Start: 12/10/99 15:17 Stop: 12/10/99 15:20

Elapsed Time	MW28	MW28D	MW29D	MW29	MW30D	MW34	MW34
0	94.594	48.081	53.031	65.37	50.996	95.938	52.503
0.0083	94.594	48.081	53.043	65.37	50.989	95.938	52.49
0.0166	94.591	48.081	53.053	65.37	50.996	95.938	52.497
0.025	94.594	48.081	53.065	65.37	50.996	95.938	52.49
0.0333	94.594	48.081	53.084	65.37	50.989	95.938	52.497
0.0416	94.594	48.081	53.087	65.37	50.989	95.938	52.497
0.05	94.594	48.081	53.096	65.37	50.996	95.938	52.497
0.0583	94.591	48.081	53.106	65.37	50.989	95.938	52.49
0.0666	94.594	48.081	53.118	65.37	50.996	95.941	52.49
0.075	94.594	48.081	53.128	65.37	50.989	95.938	52.49
0.0833	94.591	48.081	53.137	65.37	50.989	95.938	52.497
0.0916	94.591	48.081	53.147	65.37	50.989	95.938	52.497
0.1	94.594	48.081	53.156	65.37	50.996	95.938	52.497
0.1083	94.591	48.081	53.168	65.37	50.996	95.938	52.497
0.1166	94.594	48.081	53.178	65.37	50.989	95.938	52.497
0.125	94.591	48.081	53.187	65.37	50.996	95.938	52.497
0.1333	94.591	48.081	53.197	65.37	50.996	95.938	52.497
0.1416	94.594	48.081	53.206	65.37	50.996	95.938	52.49
0.15	94.591	48.081	53.215	65.37	50.996	95.938	52.49
0.1583	94.591	48.081	53.225	65.37	50.989	95.941	52.49
0.1666	94.597	48.081	53.237	65.37	50.989	95.938	52.49
0.175	94.591	48.081	53.244	65.37	50.996	95.938	52.49
0.1833	94.591	48.081	53.253	65.37	50.989	95.941	52.49
0.1916	94.591	48.081	53.265	65.37	50.996	95.938	52.497
0.2	94.591	48.081	53.272	65.37	50.989	95.938	52.49
0.2083	94.591	48.081	53.281	65.37	50.996	95.938	52.497
0.2166	94.594	48.081	53.29	65.37	50.989	95.941	52.497
0.225	94.591	48.081	53.297	65.37	50.989	95:941	52.497
0.2333	94.594	48.081	53.309	65.37	50.989	95.941	52.497
0.2416	94.594	48.081	53.315	65.37	50.989	95.941	52.497
0.25	94.591	48.081	53.325	65.37	50.989	95.941	52.497
0.2583	94.594	48.081	53.334	65.37	50.989	95.938	52.49
0.2666	94.591	48.081	53.34	65.37	50.989	95.938	52.497
0.275	94.597	48.081	53.353	65.37	50.989	95.938	52.49
0.2833	94.594	48.081	53.359	65.37	50.989	95.938	52.497
0.2916	94.591	48.081	53.369	65.37	50.989	95.938	52.49
0.3	94.594	48.081	53.375	65.37	50.989	95.941	52.49
0.3083	94.591	48.081	53.387	65.37	50.989	95.941	52.497
0.3166	94.591	48.081	53.397	65.37	50.989	95.941	52.497
0.325	94.594	48.081	53.403	65.37	50.989	95.941	52.497
0.3333	94.591	48.081	53.4	65.37	50.989	95.941	52.49
0.35	94.594	48.081	53.422	65.37	50.989	95.941	52.497
0.3666	94.591	48.081	53.437	65.37	50.989	95.941	52.497
0.3833	94.594	48.081	53.453	65.37	50.989	95.941	52.497
0.4	94.594	48.081	53.469	65.37	50.989	95.941	52.497
0.4166	94.591	48.081	53.484	65.37	50.989	95.941	52.497
0.4333	94.591	48.081	53.5	65.37	50.989	95.938	52.497
0.45	94.591	48.078	53.513	65.37	50.989	95.941	52.497

0.4666	94.594	48.081	53.525	65.37	50.989	95.941	52,497
0.4833	94.591	48.081	53.541	65.37	50.989	95.938	52.497
0.5	94.594	48.081	53.556	65.37	50.989	95.938	52,497
0.5166	94.591	48.081	53.569	65.37	50.989	95.938	52.497
0.5333	94.594	48.081	53.581	65.37	50.989	95,938	52.497
0.55	94.591	48.081	53.597	65,37	50.989	95.938	52.497
0.5666	94.594	48.078	53.61	65.37	50.989	95.941	52,497
0.5833	94.591	48.078	53.622	65.37	50.989	95,938	52.49
0.6	94.591	48.081	53.635	65.37	50.989	95.938	52.497
0.6166	94.591	48.081	53.647	65.37	50.989	95.938	52.497
0.6333	94.591	48.081	53.66	65.37	50.989	95.941	52.497
0.65	94.591	48.081	53.675	65.37	50.989	95.941	52.49
0.6666	94.597	48.081	53.685	65.37	50.989	95.938	52.497
0.6833	94.591	48.081	53.697	65.37	50.989	95.938	52.497
0,7	94,591	48.081	53.71	65,37	50.989	95.941	52.497
0.7166	94,591	48.078	53.722	65.37	50.983	95.941	52,497
0.7333	94.591	48.081	53.735	65.37	50.989	95.941	52.497
0.75	94,591	48.081	53.744	65.37	50.989	95.938	52.49
0,7666	94.591	48.081	53.757	65.37	50.989	95.941	52.497
0.7833	94,594	48.081	53.769	65.37	50.989	95.941	52.497
0.8	94.591	48.081	53.779	65.37	50.989	95,938	52.497
0.8166	94.594	48.081	53.791	65.37	50.989	95,938	52.497
0.8333	94.594	48.081	53.8	65.37	50.989	95.941	52.497
0.85	94,594	48.081	53.813	65.37	50.989	95.938	52.497
0,8666	94.594	48.081	53.825	65.37	50.989	95.938	52.497
0.8833	94.591	48.081	53.835	65.37	50.989	95.938	52.497
0.9	94.594	48.081	53.847	65.37	50.989	95.941	52.497
0.9166	94.594	48.081	53.857	65.37	50.989	95.941	52,497
0.9333	94,594	48.081	53.866	65.37	50.989	95.941	52.497
0.95	94.594	48.081	53.879	65.37	50.989	95.941	52.49
0.9666	94,594	48.081	53.888	65.37	50.989	95.941	52.497
0.9833	94.594	48.081	53.897	65.37	50.989	95.941	52,497
1	94.594	48.081	53.91	65.37	50.989	95.941	52.497
1.2	94.594	48.081	54.029	65.37	50.989	95.941	52,497
1.4	94.594	48.081	54.132	65.37	50.989	95.938	52.497
1.6	94,597	48.081	54.223	65.37	50.989	95.941	52,503
1.8	94.6	48.081	54.307	65.37	50.989	95.941	52.497
2	94.597	48.078	54.386	65.37	50.989	95.941	52,497
2.2	94.597	48.078	54.461	65.37	50.983	95.941	52.497
2.4	94.597	48.081	54.52	65.37	50.983	95.941	52.497
2.6	94.597	48.081	54.583	65.37	50.983	95.941	52.497
2.8	94.597	48.081	54.642	65.37	50.989	95.941	52.497
3	94.597	48.081	54.695	65.37	50.983	95.941	52.497
3.2	94.597	48.078	54.745	65.37	50.983	95.941	52.497
3.4	94.597	48.081	54.795	65.37	50.983	95.941	52.497
3.6	94.597	48.081	54.839	65.37	50.983	95.941	52.497
	1 24.37/	70.001	לנס. וי נ	1 05.51	20.203	フン・ブサル	26.471

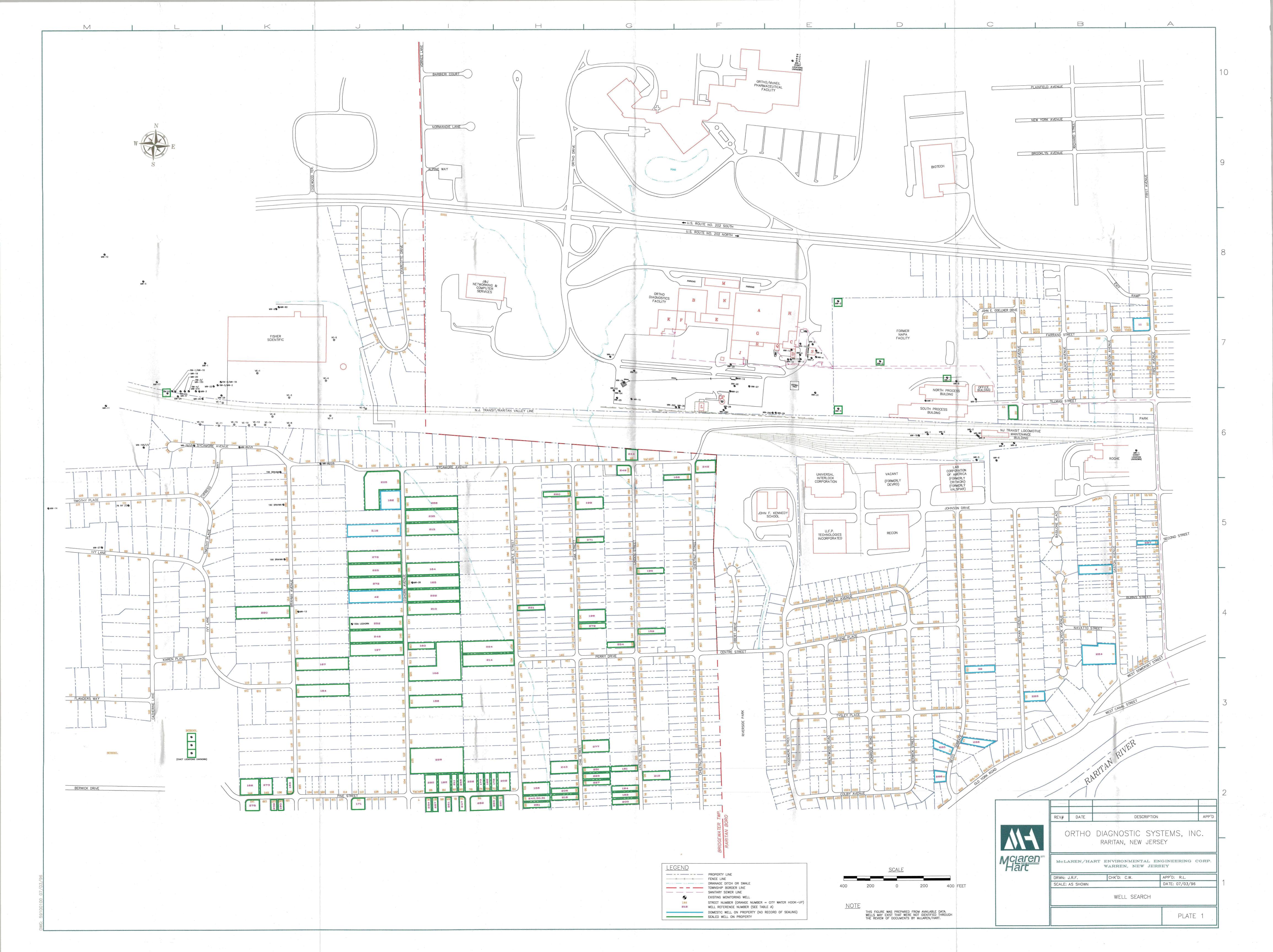
APPENDIX V

Well Search Information

- V-1 McLaren/Hart Well Search Drawing (Plate 1)
- V-2 Wells Identified on McLaren/Hart's Well Search Drawing
- V-3 Well Records Identified During Langan's 2000 Well Search (Within Half-Mile Radius)

APPENDIX V-1

McLaren/Hart Well Search Drawing (Plate 1)



APPENDIX V-2

Wells Identified on McLaren/Hart's Well Search Drawing



Wells Identified on McLaren/Hart's 1996 Well Search Map Ortho-Clinical Diagnostics

Raritan, New Jersey

Ref.	Current	T		<u> </u>	Block	Lot	Date of	Well	,,,,
Num.	Status	Owner of Record	Well Location	Township	Number	Number	Installation	Depth (ft.)	Usage
3	-	Rufus Bennett	178 Leghorn Ave.	R	-	-	8/15/1958	135	D
4	-	Angelo Crisei	34 Gaston Ave.	R	79	13	5/30/1981	150	D
11	-	Michael Heagney	97 First Ave.	R	33	10	3/29/1985	125	D
18		Fred Mancini	178 Leghorn Ave.	-	-	-	8/3/1951	166	D
22	-	Ortho Pharmaceutical Corp.	Route 202	В	-	-	12/12/1949	325	D _
30	-	lack Pontarollo	97 Maple St.	В	2231	104	4/1/1984	100	D
31	-	lack Pontarollo	97 Maple St.	В	2231	102	4/1/1984	75	D
39	-	Stanley Tomalesky	132 Weiss Terr.	R	-	-	8/15/1991	86	D
42	-	Dennis & Jean Welsh	160 Leghorn Ave.	В	-	-	4/7/1972	165	D
156	Sealed	S & M Approvato	101 Maple St.	В	2231	92	12/30/1986	83	D
158	Sealed	Atchinson	125 Leghorn Aye.	В	2221	34	7/17/1984	_	D
159	Sealed	Bacher	145 Linden St.	В			8/15/1984	<u> </u>	D
160	Sealed	Linda Bajza	139 Leghorn Ave.	В	-	<u> </u>	9/20/1989	93	D
161	Sealed	E & R Balliro	96 Litiden St.	В	2232	97	3/20/1987	134	D
162	Sealed	A & Y Barberio	728 Pine St.	В	2221	56	3/20/1987	34	D
163	Sealed	Barnaby	130 Pine St.	В		-	8/15/1984	-	D
164 .	Sealed	Bayles	161 Leghorn Ave.	В	<u> </u>	-	7/26/1984		D
165	Sealed	Jeanette Beamesderfer	151 Leghorn Ave.	В	2221	20	9/27/1995	135	D
166	Sealed	Boemio	144 Pine St.	В		-	8/15/1984	-	D
167	Sealed	Boncavage	139 Brahman St.	В		-	8/15/1984	-	D
168	Sealed	John Brickman	190 Chestnut St.	В	2224	3	9/19/1995	155	D
171	Sealed	Campbell	111 Pine St.	В		-	9/27/1984	-	D
173	Sealed	M & C Chang	74 Pine St.	В	2221	55	12/30/1986	84	D
178	Sealed	W. Cornine	72 Pine St.	В	2221	57	12/30/1986	85	D
182	Sealed	M. Davis	35 Ardmaer Dr.	В	-	-	3/20/1987	34	D
183	Sealed	A. De Mattina	88 Linden St.	В	2232	105	12/30/1986	118	D
184	Sealed	Joseph Dierschel	129 Bralmnia Ave.	В	2229	32	9/25/1993	82	D
186	Sealed	Mary Fabrici	119 Leghorn Ave.	В	2221	38	9/21/1995	145	D
190	Sealed	Frazee	135 Pine St.	В	-	-	1/17/1985	2	<u>-</u>
192	Sealed	J & C Gamatko	84 Pine St.	В	2221	50	12/30/86	73	D
194	Sealed	Gieda	90 Linden St.	В	-	-	10/22/1984	-	<u> </u>
195	Sealed	Bill Giraldi	163 Linden St.	В	2224	30	11/27/1992	220	D
196	Sealed	Giranda	145 Oak St.	В		-	8/6/1984		
197	Sealed	Glen	142 Leghorn Ave.	В	2220	25	7/14/1984		D
199	Sealed	Judy Hanlon	181 Oak St.	В	2223	12	9/22/1995	141	D
202	Sealed	W. Horton	66 Pine St.	В	2221	58	31776	90	D
203	Sealed	T. Houdak	86 Linden St.	В	2232	107	31776	78	D



Wells Identified on McLaren/Hart's 1996 Well Search Map Ortho-Clinical Diagnostics Raritan, New Jersey

Ref.	Current				Block	Lot	Date of	Well	
Num.	Status	Owner of Record	Well Location	Township	Number	Number	Installation	Depth (ft.)	Usage
205	Sealed	Hoffman	186 Leghorn Ave.	В	-	-	7/26/1984	<u> </u>	
206	Sealed	Jankowski	96 Oak St.	В	-	-	7/26/1984	<u> </u>	-
210	Sealed	George Kozlowski	145 Leghorn Ave.	В	2221	24	9/27/1995	105	D
211	Sealed	W & M L'Hotta	82 Pine St.	В	2221	51	12/30/1986	90	D
212	Sealed	Lancuki	95 Linden St.	В	-	-	10/22/1984		
213	Sealed	Langon	175 Leghorn Ave.	В		-	7/18/1984	<u> </u>	D
216	Sealed	Leibold	94 Oak St.	В		-	10/22/1984	<u> </u>	
220	Sealed	James Mantz	150 Brahina Ave.	В	2219	21	8/17/1994	150	
221	Sealed	Manzon	153 Maple St.	В	2222	40	8/6/1984	<u> </u>	
222	Sealed	Robert Marino	149 Leghorn Ave.	В	2221	22	9/27/1995	100	D
223	Sealed	Mathews	22 Ardmore Ave.	В	2233	108	7/18/1984	-	D
225	Sealed	Mazur	166 Leghorn Ave.	В	2220	13	9/10/1984		
226	Sealed	Mazzone & McNamara	107 Leghorn Ave.	В	2221	44	9/20/1995	98	D_
227	Sealed	Tom McGarry	97 Oak St.	В	2232	96	11/10/1995	152	D
231	Sealed	Clair Michael	101 Oak St.	В	2232	90	9/20/1995	85	D
234	Sealed	R & M Nelson	91 Pine St.	В	2229	85	12/30/1986	113	D
235	Sealed	O'Keefe	177 Leghorn Ave.	В			8/15/1984		-
239	Sealed	Parker	137 Pine Si.	В	-		12/27/1984	<u>-</u>	
240	Sealed	1 & L Pontarollo	97 Maple St.	В	2231	96	3/20/1987	34	D
242	Sealed	David Powell	189 Chestnut St.	В	2225	2	9/19/1995	200	D
243	Sealed	Pruss	102 Oak St.	В	-		7/26/1984	<u>-</u>	
244	Sealed	Remelgado	26 Sycamore St.	В	-	-	10/10/1984	-	-
247	Sealed	J & E Rosania	79 Pine St.	В	2229	90	12/30/1986	93	D
248	Sealed	Tony Roye	146 Leghorn Ave.	В	2220	23	9/22/1995	125	D
249	Sealed	Ruckman	192 Linden St.	В	2223	11	8/15/1984		D
252	Sealed	Salko	1513 Leghorn Ave.	В	<u> </u>	-	7/18/1984	<u> </u>	D
254	Sealed	Sapp	142 Linden St.	В	-	_	10/10/1984		•
256	Sealed	H & A Schwalbach	76 Pine St.	В	2221	53	12/30/1986	136	D
257	Sealed	T. Schwartz	87 Pine St.	В	2229	86	12/30/1986	-	D
258	Sealed	A & R Searing	80 Pine St.	В	2221	52	12/30/1986	97	D
260	Sealed	Sheperd	182 Oak St.	В	2222	22	7/26/1984	<u>-</u>	
261	Sealed	R & J Shotwell	67 Pine St.	В	2230	85	12/30/1986	121	D
263	Sealed	F & P Sollazzao	71 Pine St.	В	2230	83	12/30/1986	96	D
266	Sealed	Stine	181 Leghorn Ave.	В	-	-	7/18/1984	-	D
271	Sealed	Voll	169 Oak St.	В		-	7/26/1984		D
272	Sealed	John Vreeland	164 Leghorn Ave.	В	2220	15	9/26/1995	175	D
273	Sealed	Wagner	140 Pine St.	В	-	-	10/10/1984	•	D



Table V-1

Wells Identified on McLaren/Hart's 1996 Well Search Map Ortho-Clinical Diagnostics Raritan, New Jersey

Ref.	Current	T			Block	Lot	Date of	Well	
Num.	Status	Owner of Record	Well Location	Township	Number	Number	Installation	Depth (ft.)	Usage
275	Sealed	Edward Wenglenski	141 Pine St	В	2226	92	9/26/1995	56	D
277	Sealed	Wierzbicki	109 Oak St.	В	-	-	9/27/1984	<u>-</u>	D
278	Sealed	Winchock	168 Leghorn Ave.	В	-	-	9/27/1984		D
279	Sealed	Winn	143 Oak St.	В	-	-	7/26/1984	<u> </u>	D
280	Sealed	C&F Yeager	88 Pine St.	В	-	-	12/30/1986	89	D
281	Sealed	J&C Young	95 Maple St.	В	-	-	3/20/1987	84	D
282	Sealed	I. Zakzewski	75 Pine St.	В	-	-	12/30/1986	88	D
283	Sealed	Pat Barbieri	20 Meehan Ave.	R	44A	79	10/13/1979	150	D
284	Sealed	I. Russo	6 Gaston Ave.	В	-	-	-	-	D
285	Sealed	Riccioni	11 Weiss Terr.	В	-	-	-	-	D
286	Sealed	Rose Marasia	14 Weiss Terr.	В	-	-	-	•	D
287	Sealed	Salvatore Gaglardi	37 First St.	В	_	-	-	-	D
288	Sealed	Frank Sacino	5 Weiss Terr.	В	-	-		-	D

Information not available

Township

- B Bridgewater Township
- R Raritan Borough

Usage

- AC Air Conditioning
- B Boring
- D Domestic
- I Industrial
- M Monitoring
- O Observation

APPENDIX V-3

Well Records Identified During Langan's 2000 Well Search
- (Within Half-Mile Radius)

DWR-138	Μ
11/98	



New Jersey Department of Environmental Protection Bureau of Water Allocation MONITORING WELL RECORD

	MONITORING WE	LL KE	CORD			
OME /			Well Permi	t No. <u>25</u>	55653	
			Atlas Shee	Coordinate	es <u>25</u> :32	449
OWNER IDENTIFICATION - Owner	OHNSON & JOHNSON					
Address	202 PO BOX 650 State			Z	ip Code	
CityRARITAN	Olate			-T D	- i	
WELL LOCATION - If not the same as own	ner please give address.	Owner's	Well No	1 D	Plack No	
WELL LOCATION - If not the same as owr CountySOMERSET	MunicipalityRARITA	N BORO	Lot	No. <u>4_01</u>	Diock 140	0
Address1003 US HWY 202				ATE WELL	STARTED	27,00
TYPE OF WELL (as per Well Permit Cate	nories) MONITORING	3	DAT	E WELL CO	MPLETED/	<u> 27100</u>
CountySOMERSET			Case I.[).#		
CONSULTING FIRM/FIELD SUPERVISOR	P (if applicable) M:	TASS	Roc.		Tele. # <u>/-732</u>	-356-340
	n (ii applicable)					Wgt./Rating
WELL CONSTRUCTION	Note: Measure all depths	Depth to		Diameter (inches)	Material	(lbs/sch no.)
Total depth drilled	from land surface	Top (ft.)			7.V.C	Sch 40
	Single/Inner Casing	+2"	\$5.5	1 14	F. T. J. V.	170
Borehole diameter: 4.5 in. Bottom 4.5 in.	Middle Casing (for triple cased wells only)					
Bottom 4.5 in.	Outer Casing					
Well was finished: Labove grade	(largest diameter)	<u> </u>		, ,		
☐ flush mounted	Open Hole or Screen (No. Used ,020)	5.5	15.5	1/4	P.Y.C.	Schfo
nished above grade, casing height (stick above land surfaceft.	Blank Casings (No. Used)					
Was steel protective casing installed? ☐Yes ☐ No	Tail Piece					
Static water level after drilling <u>DRY</u> . ft.	Gravel Pack	25	15.75		TESSECTION	We#Z
Water level was measured using M Scape.	Grout		2.5		Neat Cement Bentonite	
Well was developed for $\frac{N/A}{A}$ hours	Citout	0.	1 2.3	1	Displace	7e. i.
at	(Grouting N	ethod P	veeps.	DISPOSES.	
Method of development Novc		Dinning w				
Was permanent pumping equipment installed	d? ∐Yes ☑⊀fo			GEOLO	GIC LOG	
Pump capacitygpm			Note each depth where water was encountered in consolidated formations.			
Pump type:	· · · · · · · · · · · · · · · · · · ·	0.7		<u> ۲, ۲</u>		
Drilling Fluid Type	of Rig Mobile B 53	7'-3	2 5 8-	N Raa	SIG Little S	IAT SANI
		17-	TR	five	GRAVEL.	
Health and Safety Plan submitted? Yes	None (D) C B A		- 10	1.0		1 - 50-0
Level of Protection used on site (circle one)		3.5	- 9 Kc	Grand	SIGLITY FI	AGEL.
I certify that I have constructed the	above referenced well in		<u>_</u>		7	
accordance with all well permit requ State rules and reg	Jirements and applicable	9-	15.15	Red 1	VESTLOP-1.	SHALE.

Vell Driller (Print) MICHAEL	A PRAI	-	11 UV			
Driller's Signature Muchall	JZXI					
	7 7					·
Registration No. J-1053	Date <u>2 </u>	<u> </u>				

Coldenand - Health Dent

Goldenrod - Health Dept.

Pink - Owner

Canary - Driller

Mhita - DEP

CODIEC.

Dureau C	A MATEL VIIO	callon
MONITORIN	IG WELL	RECORD

	VIOITIOI III VO		Well Permi	t No. <u>25</u>	55654		
				Coordinate	es <u>25 32</u>	449	
OWNER IDENTIFICATION - Owner	HNSON & HOSON				•		
Address 1003 US HWY City RARITAN	202 PO BOX 650			Z	ip Code		
City RARITAN	State	P	J		α		
WELL LOCATION - If not the same as own CountySOMERSET	er please give addressMunicipalityRARITE	Owner's	Well No Lot	No. 4.01	Block N	0.31	
Address 1003 US HWY 202				NATE MELL	STARTED /	127,00	
			DAT	E WELL CO	STARTED /	127100	
TYPE OF WELL (as per Well Permit Categ Regulatory Program Requiring Well			Case I.[).#			
CONSULTING FIRM/FIELD SUPERVISOR	R (if applicable)	<u>T #·</u>			Tele. # <u> </u>	Wgt./Rating	
WELL CONSTRUCTION Total depth drilled/1. 9ft. Well finished to/O'ft.	Note: Measure all depths from land surface	Depth to Top (ft.)			Material 	(lbs/sch no.)	
Well finished toft.	Single/Inner Casing	+1.5	4	1.74	P.V.C.	Sch 46	
Borehole diameter: Topin. Bottomin.	Middle Casing (for triple cased wells only)						
Bottom 4.5 in. Well was finished: above grade	Outer Casing (largest diameter)	ŝ					
☐ flush mounted	Open Hole or Screen (No. Used HAck) SAW	4	10	1 /4	P.V.C.	Sch40	
nished above grade, casing height (stick above land surface 1,5 ft.	Blank Casings (No. Used)						
Was steel protective casing installed? ☐Yes ☐ No	Tail Piece					·	
Static water level after drillingft.	Gravel Pack	2	11.9		JESSIE MOR		
Water level was measured using M-Siepe.	Grout	0	2		Neat Cement Bentonite	 ::	
Well was developed for N/A hours Grant gpm Gr			routing Method Positive Pispiace news.				
Method of development		Dilling M	ethod	7403 54			
Was permanent pumping equipment installed	d? ∐Yes ☑No			GEOLO	GIC LOG	lidatad	
Pump capacitygpm		Note	each depth w ations	here water \	was encountered i	[] CONSONGATEG	
Pump type: None.		0 - 9	TOP	SOIL.			
Drilling Fluid Nove Type		9.1	3. BLK.	CINDER.	S Lime F/c G	earl.	
Health and Safety Plan submitted?	□ No	3-4	' lick au?	SW. SIM	SAND LITTLES	JTR.	
Level of Protection used on site (circle one)	None (D/ C B A			GRAVE	Z		
I certify that I have constructed the a accordance with all well permit requ State rules and reg	irements and applicable	4- 9	TEN B	en Sig	The Instruction	Afed byes	
Drilling CompanyHP_DRILLIN	YG, INC.		of G	22y 4/1	5 SANCER	Bar. SIG	
Well Driller (Print) MICHAEL	A. PRMI	- <u>9.5</u>	-11.9 Ke	BEN.S	it TR. five	Sans 4III	
Driller's Signature Bucklif	VAT	-					
Registration No. 7-10-53	Date	00					

WELL RECORD



Well Permit Number 25 __54048

		ž ·		Atla	as Sheet Coordina	
OWNER LIEB, JUDY				 -	25 32	
Address 50 KNYESK XIX-AYXIX VOI	IES LANE					
		State	N.J		Zip Code	
City RARITAN WELL LOCATION ADDRESS County SOMERSET	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	NE .		_ Owner's	Well No	869
County County	Municipality - RARTTAN	- PORO	Lot N	o. 28:01	Block No. 2	
POMESTIC	14.41.1.1		DATE WELL ST	ARTED	5 <u>/ 14 / 99</u>	
WELL USE DOMESTIC		DAT	TE WELL COM	PLETED	5 / 14 / 99 5 / 14 / 99	
г	at a second density	Depth to	Depth to	Diameter		Wgt./Rating
WELL CONSTRUCTION	Note: Measure all depths from land surface	Top (ft.)	Bottom (ft.)	(inches)	Material	(lbs/sch no.)
Total Depth Drilled 240 ft.	Single/Inner Casing		<u> </u>			
Finished Well Depthft.	Middle Casing (for triple cased wells only)					
Develop Diemotor	Outer Casing (largest diameter)	+1	60	6 5/8	STEEL	19 LB
Top 10in. Bottom 6in.	Open Hole or Screen (No. Used)	60	240			
Well Casing Begins:	Blank Casings (No. Used)					
1 ft. above grade or ft. below grade	Tail Piece	<u> </u>				
	Gravel Pack			<u> </u>		1786 lbs
	Grout	o	60		Neat Cement Bentonite	lbs
RECORD OF TEST		0	ina Maibad	· PRE	SSURE PUMPED	-
Test Date5_/_14_/_99_	4 holey land surface	Gro Drill	unng memod Ina Method	AIR	ROTARY	
Static Water Level60 Water Level Measured UsingM_	T. Delow land sunace	D 1111	,,,,g,,,,,,,	••	- Ten	•
- 1 W. A. a. Laurel 180	ff helow land surface				GIC LOG	
Well Was Pumped Using AIR L	IFT	- Note	each denth whe		encountéred in cons	
Well Yield25gpm		forma	tions.		-	
If Pump Tested: Discharge Rate	gpr		<u> </u>	SOIL		
Duration of Test	hours	- 0		RED SHAL	E.	
PERMANENT PUMPING EQUIPMEN	π		<u> </u>			
installed by <u>Summit Well-lu</u>	Reg. No. 0017023	_				
Pump Type SUB-nersible Pump	a	_				
Depth of Pump below land surface	_ <i></i>	\- <u>-</u>	GPM 120' GPM 160'			
Capacity 10 gpm	Horsepower 3/4	_	3 GPM 160' 5 GPM 200'			
:			GPM 220'			
I certify that I have constructed the ab	ove referenced well in					
accordance with all well permit require	ements and applicable Sta	te				
rules and regulations.						
Drilling Company SUMMIT WELL	DRILLING CO INC	_				
Well Driller (Print) MARK 0'DELL		_ _				
Driller's Signature	I'VIEL	_				
Registration No	Date <u>5</u> / <u>19</u> / <u>99</u>	_				

Form DWR- 138 11/80

14. DATA OBTAINED BY

STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES

25.32.458

WELL RECORD

PERMIT NO	<u>2527</u> 97
APPLICATION NO.	· · · · · ·
COUNTY	Somerset

Coord: 2532458

OWNERCACCAVELLITION BLDR. ADDRESS191-A_CHARLESTOWN_ROAD Owner's Well No1332
2. LOCATIONLot: 27
4. DIAMETER: Top 10 inches Bottom 6 inches TOTAL DEPTH 150 5. CASING: Type drive Diameter 6 Inches Length 63 6. SCREEN: Type Size of Opening Diameter Inches
4. DIAMETER: Top 10 inches Bottom 6 inches TOTAL DEPTH 150 5. CASING: Type drive Diameter 6 Inches Length 63 6. SCREEN: Type Size of Opening Diameter Inches
4. DIAMETER: Top 10 inches Bottom 6 inches TOTAL DEPTH 150 5. CASING: Type drive Diameter 6 Inches Length 63 6. SCREEN: Type Size of Opening Diameter Inches
5. CASING: Type <u>drive</u> Diameter <u>6</u> Inches Length 63 6. SCREEN: Type Size of Opening Diameter Inches Length
6. SCREEN: Type Size of Opening Diameter Inches Length
Range in Depth Top Feet Geologic Formation
Tail Piece: DiameterInches LengthFeet
7. WELL FLOWS NATURALLY Gallons per minute at Feet above surface
Water rises to Feet above surface
8. RECORD OF TEST: Date 7/86 Yield Gallons per minute
Static water level before pumping Feet below surface
Pumping level feet below surface after hours pumping
Drawdown Feet Specific Capacity Gals, per min, per ft, of drawdown How pumped How measured Weir
Observed effect on nearby wells
•
9. PERMANENT PUMPING EQUIPMENT: Type Mfrs. Name
Capacity G.P.M. How Driven H.P R.P.M
Depth of Pump in well Feet Depth of Footpiece in well Feet
•
Depth of Air Line in well Feet Type of Meter on Pump SizeInches
10. USED FOR Gallons Daily AMOUNT Amount Maximum Gallons Daily
11. QUALITY OF WATER Clear Sample: Yes No
Tasteno Odorno Color_no Tempof.
12. LOG shale Are samples available?
(Give details on back of sheet or on separate sheet. If electric log was made, please rumish copy.)
13. SOURCE OF DATA driller 8/86

Form DWR- 138 11/80 FOR MONITORING

STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION

DIVISION OF WATER RESOURCES

25.32.AS9

W	F١	1	R	F	CO	R	ח
				-	\mathbf{c}		$\boldsymbol{\smile}$

Coord:	253245	9	
	ERMIT NO	3	2524552
i r	ERMIT NO		

APPLICATION NO. __ Somerset

EON MINING OFFIX	25.32.A59	÷	Somerset
PURPOSES ONLY	WELL RECORD	COUNTY	
ETHICON INC.	252A552	T. 22	
OWNER	ADDRESS		
Owner's Well No.	SURFACE ELEVATION	ON	Feet
Owner's Well No	ck: 3401 Municipality	: Bridgewater Twp	· · · · · · · · · · · · · · · · · · ·
2. LOCATION 3. DATÉ COMPLETED	B DRILLER	am Stothoff	
4. DIAMETER: Top_//inches	Bottom 6 inches TO	TAL DEPTH64	Feet
5. CASING: Type 5tes	Diameter	Inches Length_	Feet
6. SCREEN: Type Size of O	pening Diameter	Inches Length_	Feet
Range in Depth Bottom			
Tail Piece: DiameterInc			
7. WELL FLOWS NATURALLY Galle			
Water rises to		·	
8. RECORD OF TEST: Date		Gallons per minute	
Static water level before pumping	7 / Tield	Sant halou surface	
	i i		
Pumping level feet b			
Drawdown Feet			
How pumped		•	
Observed effect on nearby wellsUn	Known		
9. PERMANENT PUMPING EQUIPMENT:		÷ •	
Type <i>N A</i>	Mfrs. Name		
Capacity G.P.M.	How Driven H	.P R.P.M	. '
Depth of Pump in well Feet	Depth of Footpiece in v	vell	Feet
Depth of Air Line in well Feet	Type of Meter on Pump	Size	inches
10. USED FOR MONTHING			
1. QUALITY OF WATER LINK NO W	•		
Taste Odor	Color	Temp	_ °F.
2. LOG D-64' Red Shall	Are	samples available?	
3. SOURCE OF DATA $\frac{lom. \leq}{}$	TOTTON CO. TIONS	10 0 43	

Form DWR- 138 11/80

Coord: 2532459 STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION **DIVISION OF WATER RESOURCES**

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APPLIC	CATION	NO.

PERMIT NO. _

9	,						
	2	5	2	11	5	5	3
	~	,	4.	7	,	,	,

1/80		DEPARTMENT OF ENVI	RONMENTAL PRO ATER RESOURCES		ERMIT NO		
	OFFICE		.32.459		APPLICATION NO		
	FOR MONITORING PUMPOSES ONLY ETHICON IN	·	RECORD	c	COUNTY	Somerse	t —
	BILLANZES	25	2ASS3				
<u>し</u> 1.	OWNER	C •		RT. 22			
				9		Fe	et
2	Owner's Well NoLot: 43	Block: 3401	Municipa	lity: Bridg	<i>(Above mean sea le</i> ewater Tw	p •	
2.	DATE COMPLETED	15,83 DRI	W.	illiam Stot	hoff		
J.	DIAMETER: Top / inches	Rettom &	inches	TOTAL DEPTH		60Fe	et
4.	CASING: Type Steel	Bottom	inches	/ Inches	Length	15 Fe	eet
6.	SCREEN: Type						
	Range in Depth { Top Bottom	Feet	Geologic Format	ion			
	Tail Piece: Diameter						
7.	WELL FLOWS NATURALLY			Feet above	ve surface		
	Water rises to						
8.	RECORD OF TEST: Date						
	Static water level before pumping	,15		Feet below su	ırface		
	Pumping level	feet below surface af	ter	ho	urs pumping		
	Drawdown						
	How pumped	·	How m	easured	<i>ξ</i>		
	Observed effect on nearby wells .						
9.	PERMANENT PUMPING EQUIPME			•	•		
		Mfrs	. Name		:		
	Capacity G.F						
	Depth of Pump in well			ce in well	-		
	Depth of Air Line in well		•				
	· · · · · · · · · · · · · · · · · · ·		•	•			
10.	USED FOR NADOLTO	ring Well.	AMOUNT	Average	Gallo	nis Daily	
				_			
11.	QUALITY OF WATER UN						
		Odor					
12.	LOG Give details on back of sheet or o	in separate sheet. If electric.	log was made, pleasa	Are samples avail furnish copy.)	able? NO		
	SOURCE DE DATA W	n Strithack	CO-INC				
	DATA OBTAINED BY	m. Sitathaf	f CO. M	C. Date	12-31-	83	
	SAIR OBTAINED BT	4 - 1 - 1 - 2 - 1 - 1 - 1 - 1 - 1					_

Form DWR- 138 11/80

STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES

-Coor.d	:	2 :	53	2	4	5	9

PERMIT NO. __

		•					
2	5	2	4	5	5	8	

FOR MONITORING

25.32.459

שביי היים

WELL RECORD より、よみらりと

APPLICATION NO.	
	Same

Somer set:

· /	ETHICON INC. RT. 22
1.	OWNER ADDRESS
	Owner's Well No SURFACE ELEVATIONFeet Lot: 43 Block: 3401 Municipality: Bridgewater Twp.
Ż.	LOCATION
3.	DATE COMPLETED 12-16-83 DRILLER WITTEN STOTNOTT
4.	DATE COMPLETED 12-16-83 DRILLER WILLIAM Stothoff DIAMETER: Top 10 inches Bottom 6 inches TOTAL DEPTH 60 Feet
5.	CASING: Type Steel Diameter 6 Inches Length 21 Feet
6.	SCREEN: Type Size of Opening Diameter Inches LengthFeet
	Range in Depth
	Tail Piece: Diameter Inches LengthFeet
7.	WELL FLOWS NATURALLY Gallons per minute at Feet above surface
1	Water rises to Feet above surface
8.	RECORD OF TEST: Date Yield Gallons per minute
	Static water level before pumping/ O Feet below surface
\bigcirc	Pumping level feet below surface after hours pumping
	Drawdown Feet Specific Capacity! Gals, per min, per ft, of drawdown
	How pumped How measured
	Observed effect on nearby wells Unknown
9.	PERMANENT PUMPING EQUIPMENT:
	Type Mfrs. Name
	Capacity G.P.M. How Driven H.P R.P.M
	Depth of Pump in well Feet Depth of Footpiece in well Feet
	Depth of Air Line in well Feet Type of Meter on Pump SizeInches
10.	USED FOR Monthorna livell 5 AMOUNT AMOUNT AMOUNT Amount Gallons Daily
11.	QUALITY OF WATER UNKNOWN Sample: Yes No
	Taste Odor Color Temp OF.
12.	LOG Do Derburden 1005e Stote 6 In Red State Are samples available?
13.	SOURCE OF DATA WM. Stothaff Co. INC.
)	DATA OBTAINED BY Wm. Stath of CO. INC. Date 12-31-83

25.	32,	471	Π
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Form 87-54

25.32.47\ DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT Division of Water Policy & Supply

Permit No. TAXXEXE

Application No. ______

WELL RECORD

		i				
1.	. OWNER Radio Corporation of	Americandri	ESS _	ront & Coor Camden, Ne	W JANGAT	_
	Owner's Well No2	SURF	ACE EIEV	TION		
	.: 02		.00 56647	(T) (T)	e mean sea level	Feet :)
2.	. LOCATIONBridgewater	Township S	omerset (Co N T		
3.	DATE COMPLETED Dec 31.55	DRILLER Wm	. Stotho	of Co. Inc.		
4.	DIAMETER: Top 10 Inches Botto	10 'Inch	ا دربرا	TOTAL DE	Day 631	
•	CASING: Type - s drive pipe -	Diameter	<u> </u>	iches Length		Feet
· 6· .	SCREEN: Type Opening	Dismeter	· · · · · · · · · · · · · · · · · · ·	ohos Ionath		
	/ (Ton		**	iches Length	0 (reet
	Range in Depth Cotton	reet Geolog	ic Formation	Exrum.	skale	<u></u> _
	Tail piece. DiameterInc	eet	د ن. ن. ن	•		
			-			. •
))•	WELL FLOWS NATURALLY Gal	lons per Minute	e at	-	_Feet above s	surface
	Water rises to	•	•			
8.	RECORD OF TEST: Date _Bec_29/30,	/31Yield	195	5	Gallons per	minute
	Static water level before pumping	64			Feet below s	urface
	Pumping level 200 for	eet below surfa	ce after	48	hours n	umping
	Drawdown 136 Feet Spec	cific Capacity_	(als. per min.	rer ft. of dr	a.wdown
	How PumpedTurbine	How m	easured	Orifice		
	Observed effect on nearby wells	Lower	ed water	in No 1 w	ell 20'	
9.	PERMANENT PUMPING EQUIPMENT:					•
	Type?		. Capacity _		Gallong per s	.innta
	How Driven	<u>·</u>	Horse Powe	r	R.P.W.	Mude
	Depth of pump in well Pee	t Depth of	Foot piece	in well		Foot
	Depth of Air Line in well Feet	Type of l	leter on Pun	D .		_ 1 0 0 0
10.	USED FORIndustrial		Averes			
		AUGUNT				
		AMOUNT	Maximum	· · · · · · · · · · · · · · · · · · ·	Gallons	Daile
11.	QUALITY OF WATER					DC113
	Taste none Odor none	Color C	_ clear	Towns roture	54	o _P
12.						
5	LOG See other side	on separate sheet)		Are samples	available?	
٠٥.	SOURCE OF DATA Well	Statement	; • 			
14.	DATA OBTAINED BY H.J.Stot	hoff	DATE	Jan 6,195	6	
	(Note: Use other side of this sheet for additional					

1.

Record of well

10" well 631' deep.
Drilled 14" hole 35' & cased out with
10" drive pipe and cemented.

Formation

0' - 2' earth & clay
2! - 455' red shale.
455' - 485' gray rock
485' - 631' sed sandstone rock
Test on well at 330' with plunger pump
165' setting flow 103 GPM drawdown 165'
from the surface. Static water level 64'
Test oh well at 631' with turbine pump
200' setting flow 195 GPM at end of 48 hour
continuous test.drawdown 195' from the surface.
Static water level 64' from the surface.
Well drilled Nov 21-Dec 31.1955

SAND 1956

<i>/</i>	A7 FU
/m	87-54

DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT Division of Water Policy & Supply WELL RECORD

Permit No. 25-5162
Application No.
County 25.32.412

•					
. OWNER Radio Co	rporation of	f Americandress	C:	ont & Coope amden, N.J.	
Owner's Well No.	3 · ·	SURFACE	ELEVATION	· · · · · · · · · · · · · · · · · · ·	Park
LOCATION		2		(ibove mean s	es level)
DATE COMPLETED_	Jen 30/56	DRILLER Wm.	Stothoff (Co. Inc.	
DIAMETER: Top 12	Inches Bot	tom 12 Inches	TO	TAL DEPTH	620 Feet
CASING: Typed	rive pipe	Diameter	_12_Inches	Length 3	619# Foot
SCREEN: Type	Size of	:			
Range in Depth { Top _ Botton					
Tail piece. Diameter_	1	Inches Length	Feet		
WELL FLOWS NATUR	RALLYG	sallons per Minute at	-	Feet :	above surface
				reet b	elow surface
Drawdown 138	B Feet S	pecific Capacity	fter <u>48</u>	b b	
Drawdown138 How PumpedTurbin	B Peet S	feet below surface a pecific Capacity How measu	fter <u>48</u> Gals. p	er min. per ft. Orifice	ours pumping of drawdown
Drawdown 138 How Pumped Turbin Observed effect on near	8 Feet Some	feet below surface a pecific Capacity How measured in No 1 to	fter <u>48</u> Gals. p	er min. per ft. Orifice	ours pumping of drawdown
Drawdown 138 How Pumped Turbin Observed effect on new PERMANENT PUMPIN	B Feet Sane arby wells Lowe G EQUIPMENT:	feet below surface a pecific Capacity How measu ared in No 1 to	fter 48 Gals. pred 5716" Low	er min. per ft. Orifice	ours pumping of drawdown in No 2 to
Drawdown 138 How Pumped Turbin Observed effect on new PERMANENT PUMPIN Type How Driven	B Feet Some arby wells Lowe G EQUIPMENT:	feet below surface a pecific Capacity How measu ared in No 1 to	Gals. pred67'6" Low	er min. per ft. Orifice ered water Gallons	ours pumping of drawdown in No 2 to
Drawdown	B Feet Some arby wells Lower G EQUIPMENT:	red in No 1 to Capacity Capacity The measured in No 1 to Capacity Capacity Capacity Capacity Capacity Capacity Capacity Capacity Both of Foot	Gals. pred	er min. per ft. Orifice ered water Gallons R.P.M.	ours pumping of drawdown in No 2 to
Drawdown 138 How Pumped Turbin Coserved effect on new PERMANENT PUMPIN Type	B Feet Some arby wells Lower ? G EQUIPMENT:	reet below surface a pecific Capacity How measured in No 1 to Cap How measured in No 1 to	Gals. pred	er min. per ft. Orifice ered water Gallons R.P.M.	ours pumping of drawdown in No 2 to per minute Feet
Drawdown	B Feet Some arby wells Lower ? G EQUIPMENT:	reet below surface a pecific Capacity How measured in No 1 to Capacity Capacity Capacity Capacity Kontact	Gals. pred	er min. per ft. Orifice ered water Gallons R.P.M.	ours pumping of drawdown in No 2 to per minute Feet
Drawdown 138 How Pumped Turbin Coserved effect on new PERMANENT PUMPIN Type	B Feet Some arby wells Lower ? G EQUIPMENT:	reet below surface a pecific Capacity	Gals. pred	er min. per ft. Orifice ered water Gallons R.P.M.	ours pumping of drawdown in No 2 to per minute Feet
Drawdown	B Feet Some arby wells Lower G EQUIPMENT: ? Feet Some arby wells Lower Feet Feet Feet Some arby wells Lower Some arby well Feet Feet Feet Feet Feet Feet Feet F	reet below surface a pecific Capacity How measured in No 1 to Capacity Capacity Hou Hou Hou Hou AMOUNT {	Gala. pred	er min. per ft. Orifice ered water Gallons R.P.M.	ours pumping of drawdown in No 2 to sper minute Feet llons Daily
Drawdown	B Feet Some arby wells Lower G EQUIPMENT: ? Feet Some	reet below surface a pecific Capacity How measured in No 1 to Cap Hoiset Depth of Footet Type of Meter AMOUNT {	Gals. pred	er min. per ft. Orifice ered water Gallons R.P.M. Ga	ours pumping of drawdown in No 2 to per minute Feet llons Daily
Drawdown	B Feet Some arby wells Lowe G EQUIPMENT: ? Feet Industria Odornone	reet below surface a pecific Capacity How measured in No 1 to Cap How measured in No 1 to Cap How measured in No 1 to Cap How measured in No 1 to Kappen of Meter and AMOUNT { Average AMOUNT { Average AMOUNT { Average AMOUNT { Maximum Color Cless Color	Gala. predGala. predGala. predGala. predGala. predGala. predGala. predGala. predGala. predGala. predgala. predgala. predgala. predgala. predgala. predgala. predgala. predgala. predgala. predgala. predgala. predgala. predgala. pred	er min. per ft. Orifice ered water Gallons R.P.M. Gallons Gallons Gallons Gallons Gallons Gallons Gallons	ours pumping of drawdown in No 2 to per minute Feet llons Daily llons Daily
Drawdown 138 How Pumped Turbin Cbserved effect on new PERMANENT PUMPIN Type How Driven Depth of pump in well Depth of Air Line in w USED FOR	B Feet Some arby wells Lower G EQUIPMENT: ? Feet Some seed of sheet of sheet of sheet seed sheet seed seed sheet sheet	reet below surface a pecific Capacity How measured in No 1 to Cap How measured in No 1 to Cap How measured in No 1 to Cap How measured in No 1 to Kappen of Meter and AMOUNT { Average AMOUNT { Average AMOUNT { Average AMOUNT { Maximum Color Cless Color	Gala. predGala. predGala. predGala. predGala. predGala. predGala. predGala. predGala. predGala. predgala. predgala. predgala. predgala. predgala. predgala. predgala. predgala. predgala. predgala. predgala. predgala. predgala. pred	er min. per ft. Orifice ered water Gallons R.P.M. Gallons Gallons Gallons Gallons Gallons Gallons Gallons	ours pumping of drawdown in No 2 to per minute Feet llons Daily llons Daily

25.21.A72 25.5\62

Record of No 3 well

12" well 620' deep.

Drilled 15" hole 36' & cased out with
36'9" - 12" pipe and cemented.

Formation

O' -4' earth & clay
4' - 620' red shale rock
Test on well with turbine pump 200' setting
flww 243 GPM drawdown 191' from the surface
Test run for 52 hours continuous.
Lowered water in No 1 well to 67'6" while pumping
" " " " 84' "
Well drilled Jan 3-30,1956
J. Reading. Walter Harvey

RECEIVED.

Form 87-78-1-15 IVED

SEP 20 1950

Department of Consensation

Department of Consensated

Bear units in Administration

Societies & State Survey

sketch of special casing arrangements, etc.)

Ranton 1/2 W

DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT Division of Water Policy & Supply WELL RECORD

25.32.472

Permit No. 25-709

Application No.

County 25.32.472

25-709

1. OWNER STEPHEN MANCINI	ADDRESS 7. DUVAL STREET SOUTHVILLE B. J
Owner's Well No	SURFACE ELEVATION 160 Feet
2. LOCATION 74° 40° 40° 34°	(ADOVE MEAD SEE PAIN)
3. DATE COMPLETED AVE. 17, 1950DR	ILLER FRANK & DITUNZI
	n 6 Inches TOTAL DEPTH 172 Feet
	Diameter 6 Inches Length 20 Feet
Size of 6. SCREEN: TypeOpeningFe	Diameter Inches Length Feet
	et Geologic Formation II b
Tail piece: DiameterInche	
7. WELL FLOWS NATURALLYGallon	ns per Minute atFeet above surface
Water rises to	Feet above surface
	Yield Gallons per minute
	Feet below surface
Pumping level 95 - feet	below surface afterhours pumping
Drawdown O Feet Specific C	CapacityGals. per min. per ft. of drawdown
	How measured TIRE & TAPE
Observed effect on nearby wellsNONE_	
9. PERMANENT PUMPING EQUIPMENT: N	OT SUPILIED
Туре	Capacity Gallons per minute
How Driven	Horse Power
Depth of pump in wellFeet	Depth of foot piece in wellFeet
10. USED FOR RESIDENT	
11. QUALITY OF WATER. GOOD	Sample: Yes. X. No.
	Color. HONE Temperature. 52 °F.
13 SOURCE OF DATA SELF	on separate shret)
14. DATA OBTAINED BY	DATE SEFT. 14, 1950
	such as log of materials penetrated, analysis of the water, sketch map,

2526324

Coord: 2532473 PERMIT NO. _

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES

25.32.473

COUNTY_

WELL RECORD ACC 10 20

	\$ 2 \$ \$ 5 3 \$ 7
1.	OWNER HIONIS, SPIROS ADDRESS 218 A GREEN BROOK RD.
	Owner's Well No. /09 SURFACE ELEVATIONFeet
2.	LOCATION Lot: 45 Block: 2403 Municipality: Bridgewater Twp.
3.	DATE COMPLETED 6/85 DRILLER Fred Kushner
4.	DIAMETER: Top 10 inches Bottom 6 inches TOTAL DEPTH 200 Feet
5.	CASING: Type dRive Diameter blameter Length 52 Feet
6,	SCREEN: Type Size of Opening Diameter Inches LengthFeet
	Range in Depth
	Tail Piece: DiameterInches LengthFeet
7.	WELL FLOWS NATURALLY Gallons per minute at Feet above surface
	Water rises to Feet above surface
8.	RECORD OF TEST: Date6/85 Yield Gallons per minute
	Static water level before pumping Feet below surface
<i>;</i>)	Pumping level feet below surface after 4 hours pumping
	Drawdown Feet Specific Capacity Gals, per min, per ft, of drawdown
	How pumped ais! How measured _ideil_
	Observed effect on nearby wells
9.	PERMANENT PUMPING EQUIPMENT:
	Type Mfrs, Name
	Capacity G.P.M. How Driven H.P R.P.M
	Depth of Pump in well Feet Depth of Footpiece in well Feet
	Depth of Air Line in well Feet Type of Meter on Pump SizeInches
	USED FOR Gallons Daily AMOUNT Amount Average Gallons Daily Maximum Gallons Daily
11.	QUALITY OF WATER Sample: Yes No
	Taste <u>no</u> Odor <u>no</u> Color <u>no</u> Temp. of
12.	LOG Shale (Give details on back of sheet or on separate sheet. If electric log was made, please furnish copy.)
2	SOURCE OF DATA dollars !
).	DATA OBTAINED BY Pamela & Westy Date 6/11/25
	▼ · · · · · · · · · · · · · · · · · · ·

DWR-138 M 1/96

New Jersey Department of Environmental Protection **Bureau of Water Allocation**



MONITORING WELL RECORD

			Il Permit No.		25 <u>4885Ø</u> 25 <u>32</u>	476
<u> </u>	EVYON CO TICA	Atta	s Sheet Coo	rdinates	·-	·
LIVINER IDENTIFICATION - CWOOL	EXXON CO. USA 1900 KAST LINDER	AVE				·
Address					<u> </u>	
City	LINDEN	State			_ Zip Code _	
WELL LOCATION - If not the same as o	wner please give addre	SS.	Owner's We	ll No	MW6	
County SOMERSET		TAN BORO	Lot !	No4	Block N	
Address 403 ROTTR 202 NORT	H MONTTORT	NG			d 519	~ ~ /
Regulatory Program Regulation Well				e I.D. #	eleted 5 / 2-07-16-19	342
CONSULTING FIRMFIELD SUPERVIS	OR (if applicable)	ologic	ser	HClos	Tele, #	
WELL CONSTRUCTION	0	Depth to	Depth to		<i>p</i>	
!		Top (ft.)	Bottom (ft.)	Dlameter (inches)	Type ar	d Material
Total depth drilledft.		(From lar	nd surface)		0 (
Well finished to 22 ft.	Inner Casing	0	7	4.	Sch 40	PVC
Borehole diameter. Top in.	Outer Casing (Not Protective Casing)					
	Screen	~	22	4	00/40	PVC.020
Bottom in.	(Note slot size)	/_	αα		00110	7 10.020
Well was finished: above grade	Tail Piece			ļ		
If flush mounted	Gravel Pack	5	22		mor	ie#2
If finished above grade, casing height (stick up) above land	Annular Seal/Grout	0	5		Port	land
surfaceft. Was steel protective casing installed?	Method of Grouting		•	Then	ue	
Yes Protective casing instantion		L		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Static water level after drilling	ft.	Gl	EOLOGIC L			ologic logs and/or culd be attached.)
7	ape_				,	
Well was developed for <u>//2</u> hours						
Method of development	ing					N 1
Was permanent pumping equipment in	stalled? LYes	#No			tock	, b)
Pump capacitygpm	•			1		
Pump type:			^		VAP	
Drilling Method	- R-	en	()	Y	<i>Y</i> 1 <i>P</i>	
	ype of Rig DC	0	Y	/ ri	\mathcal{N}	j
Name of Driller _ Steve Yot			\triangleleft	' (}	,	
•	Yes UNo					ļ
Level of Protection used on site (circle	12.4		V			
- DUETAL PA	∞	INC				
	J					
I certify that I have drilled the abov	e-referenced well in a	accordance v	vith all well p	permit requ	uirements and	applicable State
rules and regulations.	ire Steve	1 Intan	Si.		Data K	123196
Driller's Signatu	ire	MOUN.	714		_ Date <u> </u>	-10K-1 TR



ENVIRONMENTAL SPECIALISTS

VELL LOG

LENGTH:

DATE DRILLED: 5/09/1996 SITE: Former Exxon Station #337, 403 Route 202 North, , Raritan, NJ

CUNER: Exxon Co. USA, 1900 East Linden Ave., , Linden, NJ 07036

COORD #1: 25.32.476 COORD #2:

PERMIT #1: 25-48850

PERMIT #2:

COUNTY: Somerset

XSTREET:

USE: Monitoring

DRILLING METHOD: Air Rotary

Central Jersey Industrial Park Chimney Rock Road, Bldg. 9W Bound Brook, NJ 06805

(908) 722-4266

(800) 242-6648

(908) 356-1009

INNER CASING: PVC DIAMETER:

411

OUTER CASING: DIAMETER: LENGTH:

SCREEN TYPE 1: PVC SCREEN TYPE 2: DIAMETER:

LENGTH 1:

LENGTH 2:

151

SAMPLING METHOD: S/S HOLE DIAMETER: 8"
TOTAL DEPTH: 22

Telephone: Toll Pree:

FAX:

221 SET WELL: GRAYEL PK SZ: Morie #2 DRILLER:

SURFACE COMPLETION: M

Steve Yotcoski

GAL PER MIN: SLOW STAT H20 LVL: 17'

SLOT SIZE: DEVELOPMENT METHOD: PUMP DEVELOPMENT TIME: 1/2 Hour

.020 CASING SEAL: Portland

OPEN HOLE:

BLOWS PER 6" DEPTH BELOW ON SAMPLER SURFACE FROM - TO 51 - 71 2-4-7-13 16-21-30-19 7' - 9' 91 - 111 15-20-25-50/5" 111 - 131 12-15-14-18 131 - 151 20-18-18-19 15' - 17' 7-9-10-10 17' - 19' 17-18-19-19

REMARKS / SOILS IDENTIFICATION

0' - 3' Asphalt & stone.

19' - 21'

1

3' - 22' Red-brown silty clay trace fine sand trace gravel.

16-17-18-21

Ground Surface AT-Grade Protective Watertight Manhole Locking Compression Cap 2' x 2' Concrete Pad Gravel Mix Concrete PVC Casing 4" Diameter Solid '7' Solid Neat Cement Grout (ASTM Type II, 5% Bentonite Added) PVC Screen 4º Diameter 7'- 22' Screen Gravel Pack 51- 221 Bore Hole 8" Diameter Bottom Cap

rules and regulations.

New Jersey Department of Environmental Protection Bureau of Water Allocation

(DMR)

MONITORING WELL RECORD

·		W	ell Permit No.		_	851	
		At	las Sheet Coo	ordinates	25 :	32	<u>.476</u>
OWNER IDENTIFICATION - Owner	EXXXXX CO. USA			•		٠	
Address	1900 KAST LINDE	AAN NO	 -		-		
City	LINDEN	Sta	te1	NJ	Zip Cod	le	
WELL LOCATION - If not the same as o	owner please give addre	ess.	Owner's We	ell No	MW	7	_
CountySCMERSET	MunicipalityRAR]	TAN BORO	Lot	No4	Blo	ock No	<u>+</u>
Address423_ROUTR_202_NOR	TH			e well starte			\sim
TYPE OF WELL (as per Well Permit Ca	tegories)	LNG	Dat	te well com se l.D. #	pleted 3	17 6-1042	176
Regulatory Program Requiring Well CONSULTING FIRMFIELD SUPERVIS	OR (if engliseble)	Alenici	Cas	غ≨ا.D.# معا		0 11/12	
	OTT (II applicable)		<u> </u>	Cord	5. 1818. # -		
WELL CONSTRUCTION	U	Depth to	Depth to Bottom (ft.)	Diameter)
Total depth drilledft.	<u> </u>	Top (ft.) (From la	nd surface)	(inches)	Typ	e and Ma	iteriai
Well finished to13ft.	Inner Casing	0	3	4	Sch	40 P	VC_
Borehole diameter: 8 in.	Outer Casing (Not Protective Casing)						
Bottom 8 in.	Screen (Note slot size)	3	13	4	Sch	40 P 1	1C.020
Well was finished: above grade	Tail Piece						i i
Filush mounted	Gravel Pack	a	/3		Mo	rie !	#2
If finished above grade, casing height (stick up) above land	Annular Seal/Grout	0	2		4	orth	and
surfaceft.	Method of Grouting			rave	1		•
Was steel protective casing installed? Yes No		L	$-\mathcal{F}$	cerri	7		
Static water level after drilling	/		<i>V</i> EOLOGIC L				logs and/or
Water level was measured using	10e/	<u> </u>	EOLOGIC L	Ge Geob	hysical log	s should l	be attached.)
Well was developed for 1/2 hours	7 /						
Method of development				•			\wedge
Was permanent pumping equipment in		No			110	Λ	
Pump capacitygpm	•		_		,	علا	•
Pump type:			//	1/	100		
Drilling Method	7 0		V	0	4/1/0	,	
Drilling FluidT	ype of Rig.	<u> </u>	\searrow) /v		
Name of Driller Street Go	tcoski		\mathcal{A}	1)	<i>)</i> -		
Health and Safety Plan submitted?	Yes No			V			
Level of Protection used on site (circle	one) None (D C B	A					
N.J. Registration No.	ON 135 Y	TNC:	\	-			
Name of Drilling Company	moit Drilli	ا تُوَمَّ					
I certify that I have drilled the above	e-referenced, well in a	 ccordance v	vith all well p	ermit requ	irements :	and appli	icable State

Hono Ilatando



Central Jersey Industrial Park Chimney Rock Road, Bldg. 9W Bound Brook, NJ 08805

Telephone: Toll Free:

(908) 722-4266 (800) 242-6648

FAX:

(908) 356-1009

ENVIRONMENTAL SPECIALISTS

WELL LOG

WELL: MW7

DATE DRILLED: 5/09/1996

COORD #1: 25.32.476

PERMIT #1: 25-48851

COUNTY: Somerset

COORD #2:

PERMIT #2:

SCREEN TYPE 1: PVC

XSTREET:

SITE: Former Exxon Station #337, 403 Route 202 North, , Raritan, NJ CAMER: Exxon Co. USA, 1900 East Linden Ave., , Linden, NJ 07036

USE: Monitoring DRILLING METHOD: Air Rotary

INNER CASING: PVC

411 DIAMETER:

OUTER CASING: DIAMETER:

LENGTH:

SCREEN TYPE 2: DIAMETER:

SAMPLING METHOD: S/S

LENGTH:

31

GAL PER MIN: 5

LENGTH 1: LENGTH 2: 101

HOLE DIAMETER: 8" TOTAL DEPTH: 13

SET WELL: 131

SURFACE COMPLETION: M

GRAVEL PK SZ: Morie #2 Steve Yotcoski DRILLER:

STAT H20 LVL: 5'

SLOT SIZE: DEVELOPMENT METHOD: PURP DEVELOPMENT TIME: 1/2 Hour

CASING SEAL: Portland

OPEN HOLE:

DEPTH BELOW SURFACE

BLOWS PER 6"

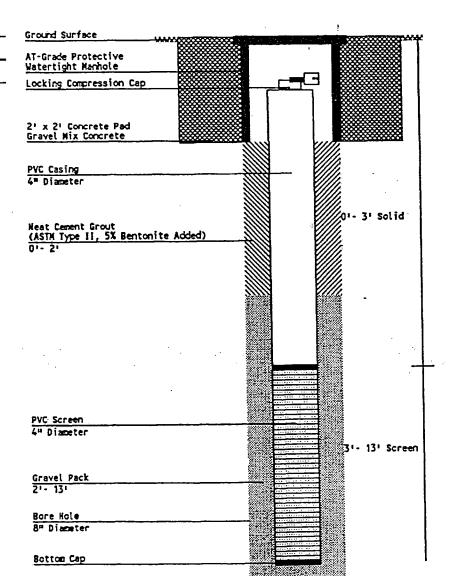
FROM - TO

ON SAMPLER

REMARKS / SOILS IDENTIFICATION

0' - 12' Fill.

12' - 13' Red-brown silty clay trace fine sand trace gravel.



New Jersey Department of Environmental Protection Bureau of Water Allocation



MONITORING WELL RECORD

		We	ll Permit No.		25 48852	
		Atla	s Sheet Coo	rdinates	25 : 32	476
	EXXON CO. USA					
	1900 RAST LINDR	AVE F		i	·	
Address	LINDEN			 	7:- 01-	
City		State			_ Zip Code 0 / بد رو	
WELL LOCATION - If not the same as o			Owner's We	ll No	mw8	 .
County SOMERSET 423 ROUTE 222 NORT			Lot !	No4_	Block	No. 9611
Address 423 ROUTE 202 NORT	MONITORIN	NG			pleted 5	
TYPE OF WELL (as per Well Permit Ca Regulatory Program Requiring Well	USI (egones)		Dat / Cas	B Well COM	2-07-16-1	Ø42
CONSULTING FIRMFIELD SUPERVIS	OR (if applicable)	ologic	Derv	uces.	Tele. #	
		<i>U</i>	7		16.	
WELL CONSTRUCTION		Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter	Types	and Material
Total depth drilledft.			nd surface)	(inches)	1,,,,,	
Well finished to 35 ft.	Inner Casing	0	10	4	Cah 4	n OVC
	Outer Casing		10	7	3911	5 / 10
Borehole diameter: in.	(Not Protective Casing)					
Top on.	Screen	10	20	4	Cah (/	PVC-020
Bottomin.	(Note slot size)	10	35	7	001190	17 80000
Well was finished: above grade	Tail Piece					
flush mounted	Gravel Pack	7	35	į į	Mo	rie#2
If finished above grade, casing height (stick up) above land	Annular Seal/Grout	0	7	j ;	Por	tland
surfaceft.	Maked of Condina	<u> </u>	3	7		
Was steel protective casing installed?	Method of Grouting			[re	nie	
Yes PNo	,			(Cor	nies of other a	eologic logs and/or
Static water level after drilling	ft.	G	EOLOGIC L			should be attached.)
Water level was measured using		Γ-				•
Well was developed for <u>//2</u> hours						
Method of development	ρ					N
Was permanent pumping equipment in	stalled? Yes	₹No		1		\ \hbar{\}\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
Pump capacitygpm						100
Pump type:				\cap .) [不 1
Drilling Method Arc Kotor	4	_		\ ,9	1 x D	1
Drilling Fluid1	Type of Rig 3-8	0		YY	~4V~	
Name of Driller Steve Yor	teaski				(1)	
	Pres No			{	\mathcal{O}	
Level of Protection used on site (circle	i	ва				
© X 1 ()	L DRILLING CO. I					
	immit Srilli					
· · · · · · · · · · · · · · · · · · ·						
I certify that I have drilled the above	e-referenced well in a	accordance v	with all well ;	permit requ	uirements an	d applicable State
rules and regulations.	iro Steve	/ ht	Tasli.	•	5-44	1,23,96
Driller's Signatu	Tue XNY	, you	our		_ Date <u></u>	_1 <u>~~1_76</u>
	/					

_Q\	VR-138	М
	/96 ₂ .	

New Jersey Department of Environmental Protection

96.	Bureau of Wate			. \	••	
	MONITORING WI	ELL HI	Well Perm	100	25. 52/86	3
			\	631		
OWNER IDENTIFICATION - Owner	DANON DO LICI		Atlas Shee		es <u>25</u> :	
				:		
Address 1922 R. L.I City LINDRN	State	NJ		Z	ip Code	
				i .		
WELL LOCATION - If not the same as ow CountySOMERSET	ner please give address. Municipality RART	Owners FAN ROR	s Well No O Lot	No. 4	Block No	o. 41
Address 423 ROUTS 222						
	MONTIMONT	373	n	DATE WELL	L STARTED 7	J 6 J 97
TYPE OF WELL (as per Well Permit Cate Regulatory Program Requiring Well	gories) <u>Butu I utul</u>	TK.				
•						
CONSULTING FIRM/FIELD SUPERVISO	R (if applicable) Geologi	c Service	s Corporatio	<u>. u</u>	Tele. #	
WELL CONSTRUCTION	Note: Measure all depths	Depth to	Depth to	Diameter	Material	Wgt./Rating
Total depth drilledft. Well finished toft.	from land surface	Top (ft.)			Material	(lbs/sch no.)
Well finished toIt.	Single/Inner Casing	.5	5	4	PVC	8ch. 40
Borehole diameter:	Middle Casing				,	
Top in. Bottom in.	(for triple cased wells only)					-
Well was finished: ☐ above grade	Outer Casing (largest diameter)					
Filush mounted	Open Hole or Screen	5'	207	4"	PVC	.020
finished above grade, casing height (stick	(No. Used) Blank Casings				· · · · · · · · · · · · · · · · · · ·	` 8ch. 40
up) above land surface ft.	(No. Used)			ŧ		
Was steel protective casing installed? ☐Yes ☑ No	Tail Piece		1	2.0		
Static water level after drilling 12 ft.	Gravel Pack	3	207		Morie #1	,
Water level was measured using		0	3		Neat Cement	lbs.
Well was developed for hours	Grout			1	Bentonite	10 lbs.
atelow rectag. gpm			ethod Gr			•
Method of development		orilling Me	ethod: Ar			
Was permanent pumping equipment installed	d? ∐Yes X No			GEOLO	GIC LOG	
Pump capacity gpm				ere water w	as encountered in	consolidated
Pump type:	<u> </u>	Torma	ations.			
Drilling FluidType	of Rig B-80	 				· · ·
Health and Safety Plan submitted? 🕱 Yes	□ No		See /	Meched		-
Level of Protection used on site (circle one)	_					
· .	<u> </u>	 				
I certify that I have constructed the a accordance with all well permit requ				······································		
State rules and regu	ulations.	ļ	,	·		
Drilling Company SUMIT WELL D	RILLING CO INC	_				
Woll Driller (Brint) Pen Conhance						
Well Driller (Print) Don Grahamer, Jr.	1 / ()	-				·
Driller's Signature Don Shah	aner fr.	-				

Registration No. __



Central Jersey Industrial Park Chimney Rock Road, Bldg. 9W Bound Brook, NJ 08805

Telephone: Toll Free:

(908) 722-4266

FAX:

(800) 242-6648 (732) 356-1009

WELL LOG

DATE DRILLED: 07/08/1997 COORD \$1: 25.32.476

OWNER: Exxon Co. USA, 1900 Bast Linden Ave., , Linden, NJ 07036

PERMIT #1: 25-50863

COUNTY: Somerset

SITE: Former Exxon Station #33734, 403 Route 202 North, , Raritan, NJ

COORD #2: PERMIT #2:

XSTREET:

USE: Monitor

DRILLING METHOD: Air Rotary

SAMPLING METHOD: Cuttings

INNER CASING: PVC DIAMSTER:

4"

OUTER CASING:

DIAMETER: LENGTH:

SCREEN TYPE 1: PVC SCREEN TYPE 2:

15'

HOLE DIA: 8", 8" TOTAL DEPTH: 20'

LENGTH:

SET WELL: 20'

GAL PER MIN: slow rechg. STAT H20 LVL: 12'

LENGTH 1: LENGTH 2: SLOT SIZE:

DIAMETER:

.020

DRILLER: SURFACE COMPLETION: M

GRAVEL PK SZ: Morie #1 Don Grahamer, Jr.

DEVELOPMENT METEOD: Pump DEVELOPMENT TIME: 1 Hour CASING SEAL: Portland

OPEN HOLE:

DEPTH BELOW

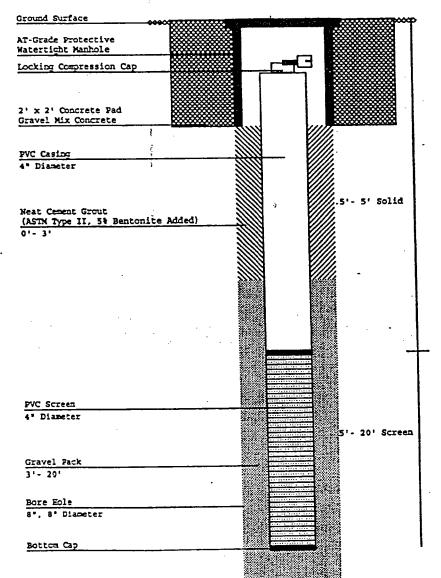
BLOWS PER 6º

SURFACE FROM - TO

ON SAMPLER

REMARKS / SOILS IDENTIFICATION

0' - 1' Asphalt & gravel. 1' - 20' Brown m/f sandy clay.



D) 38 M	New J	lersey Department of Er	nvironme	ental Protec	пон		
30 M		Bureau of Water	Allocation	on on the .	. \		
		MONITORING WE	LL HE	COHP		25 5Ø86	4
				Well Permi	- 3		
	•			Atlas Sheet	Coordinate	s <u>25</u> :	<u> 32 : 476 </u>
OUNTED IDENTIFICA	ATION - Owner	ROCKON CO., DSA					
OMNEH IDENTIFICA	1000 R T.T	NDKN AVR		,			
Ciby	LINDON	NDKN AVK.	NJ_		Zi	p Code	<u>·</u>
Oity		•					
WELL LOCATION - I	if not the same as ow	ner please give address.	Owner's	Well No. 🕩	94/10	Plack N	10 41
CountyS0	MKRSKT	ner please give address. Municipality RARI T	I'AN HUH	ULot	No 4	BIOCK IN	10
Address	3 ROUTE 202				DATE WEL	L STARTED7	8 97
			NT:	D	ATE WELL	L STARTED	
TYPE OF WELL (as	per Well Permit Cate	gories) <u>HONITORII</u> UST		Case I.C),# 92	-07-16-1042	
Regulatory Program	Requiring Well	(A)1					
CONCUENCED.	VEIELD SÜPERVISO	PR (if applicable) Geologic	COlvine Co	e Corporatio	<u>n</u> 1	Tele. #	
							Wgt/Rating
WELL CONSTRU		Note: Measure all depths	Depth to		Diameter	Material	(lbs/sch no.)
Total depth drilled	<u>70'</u> ft.	from land surface	Top (ft.)	Bottom (ft.)			
Well finished to	70' IL	Single/Inner Casing	.5	45	4"	PVC	8ch. 40
Borehole diameter:		Middle Casing		· ·			1
Top _	<u>8"</u> in.	(for triple cased wells only)					
	8 in.	Outer Casing	1		}		
Well was finished:	above grade	(largest diameter)		 		~~	.020
	flush mounted	Open Hole or Screen (No. Used)	45	70"	4"	PVC	Sch. 40
Ir nnished above grad	de, casing height (stick	Blank Casings	 				
up) above land surfa	ice ft.	(No. Used)					
Was steel protective	casing installed?	Tail Piece					
☐Yes No			┪━┅━╍		 	20.1-00	
Static water level after	· The state of the	Gravel Pack	43	70'	 -	Neat Cement	792 lbs.
Water level was mea	sured using	Grout :	σ	43	1	Bentonite	40 lbs.
Well was developed	for _1 Hour_ hours			Hathad To			
at 95	pm	(orouung r Delling M	Method T m lethod Ak	Belary		
Method of developm	nent_ pump		Diaming in				
Was permanent pur	mping equipment installe	ed? Tyes No			GEOLO	GIC LOG	
	gpm				here water v	was encountered	in consolidated
•			form	ations.			
							
Drilling Fluid	Тур	e of Rig B-80					
Useth and Safety	Plan submitted? 🙀 Yes	s∏ No		See	Meched		
nealth and Salety	l site frieds and	N None A C B A					
Level of Protection	used on site (circle one) Moule Oc P V	İ				
I certify that I	I have constructed the	above referenced well in					
accordance v	with all well permit rec	quirements and applicable					·
	State rules and re	DRILLING CO INC					
Drilling Company	DODDIT MENT	DATE OF THE PARTY	_				
()ell Driller (Print	t) Don Grahamer,	. ^	-				
Driller's Signatur	e Don Gran	aner b.					
Dimer's Signatur	7	70,	_				
Designation No.		Date 7 / 20/2	<u>_</u>				

DWR-138 M 11/98

New Jersey Department of Environmental Protection

Bureau of Water Allocation

MONITORING WELL RECORD Well Permit No. 45 -55483

Diago			Atlas Shee	t Coordinat	25 32 es:	477
OWNER IDENTIFICATION - Owner	ISHER SCIENTIFIC					
Address ONE REAGENT City FAIR LAWN	LANE State				Zip Code	
WELL LOCATION - If not the same as ow CountySOMERSET	Municipality RR LUG	-WAIEK	THE LOC			0. 2305
Address755 ROUTE 202 NORT	H			OATE WELL	STARTED // OMPLETED //	12183
TYPE OF WELL (as per Well Permit Cate Regulatory Program Requiring Well	ISKH SIIE		Case I.[D.# <u>85</u>	823	
CONSULTING FIRM/FIELD SUPERVISO	R (if applicable)				Tele. #	
WELL CONSTRUCTION	Note: Measure all depths	Depth to	Depth to	Diameter		Wgt./Rating (lbs/sch no.)
Total depth drilledft. Well finished toft.	from land surface	Top (ft.)	Bottom (ft.)		STOLL	(IDS/SCITTIO.)
Well finished to110	Single/Inner Casing	0_	170	0	STEEL	
Borehole diameter: Top in. Bottom in.	Middle Casing (for triple cased wells only)				1.	
	Outer Casing (largest diameter)					
Well was finished: Above grade flush mounted	Open Hole or Screen	170	190	6		
If finished above grade, casing height (stick) above land surface ft.	Blank Casings (No. Used)			·		
was steel protective casing installed? Yes No	Tail Piece			<u> </u>	1	
Static water level after drilling ft.	Gravel Pack			<u> </u>	No of Compat	lbs.
Water level was measured using	Grout				Neat Cement Bentonite	lbs.
Well was developed for hours at gpm	í	Brouting M	Method		<u> </u>	
Method of development		יייו מוויון ש	etriod			
Was permanent pumping equipment installe	ed? ∐Yes ∐ No			GEOLO	GIC LOG	n consolidated
Pump capacity gpm		Note form	each depth w ations.	nere water	was encountered i	II COMBONICATE
Pump type:		1238	IL DE	1(180)	BY WM.S	TOHOFF
Drilling FluidType		1	1/2/NA	11811	PERMIT	NIMBEL
Health and Safety Plan submitted? Yes			× 1011111	000	2001 A MA	- PC
Level of Protection used on site (circle one)		HD			<u> </u>	
I certify that I have constructed the accordance with all well permit req	uirements and applicable	H	$\Omega \cap \Omega$.			
State rules and reg	gulations.	J	n FOLM	ATION	PROVINES	
SLOTT	DRILLING, INC.	A	SOVE A	SPER	ENVILOI	7
Well Driller (Print)	MILAIAPA	- a	OPP.			
Driller's Signature	mano	-				
Registration No. <u>J7320</u>	Date <u>3 20100</u>	2				<u> </u>

DWR-138 M 11/98

New Jersey Department of Environmental Protection Bureau of Water Allocation

MONITORING WELL RE	CORD	
	Well Permit No45 554	182

			Atlas Shee	t Coordinate	25 32 es:	4//
OWNER IDENTIFICATION - Owner _	FISHER SCIENTIFIC					
AddressONE_REA	AGENT LANE State		ALT.	7	ip Code	
CityFAIR-Le	AWN		ito —	Mh	117	
WELL LOCATION - If not the same as County	s owner please give address.	Owners	Well No	111W	Plack N	0 0705
County SOMERSE!	MinimolpantyDirect	/// 		_		· - 2305
Address	NORTH			DATE WELL	STARTED	19143
TYPE OF WELL (as per Well Permit (Categories) MONITOR	[NG	DAT	E WELL CO	OMPLETED //	114193
TYPE OF WELL (as per Well Permit (Regulatory Program Requiring Well _	ISRA SITE		Case I.I	D.#8 <u>.</u>	5823	
Regulatory Program Requiring Well _ CONSULTING FIRM/FIELD SUPERV	waan (for the black) ENV	IRON (DEP.		Tele. # 609/4	152-400
CONSULTING FIRM/FIELD SUPERV	/ISOR (if applicable)	11-01/0				
WELL CONSTRUCTION	Note: Measure all depths			Diameter	1410101101	Wgt./Rating (lbs/sch no.)
Total depth drilled	from land surface	Top (ft.)				(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Well finished to	Single/Inner Casing	10	120'	6_	STEEL	
Borehole diameter:	Middle Casing (for triple cased wells only	۸				1
Borehole diameter: Top in. Bottom in.	Outer Casing	' 				
Well was finished: Above grade	(largest diameter)					
well was limistied. Zabove grade	Open Hole or Screen	120	140'	6		
If finished above grade, casing height (st	ick (No. Used) Blank Casings	100	170	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		
above land surfaceft.	(No. Used)					
vas steel protective casing installed?	Tail Piece					1
Yes No Static water level after drillingft.	Gravel Pack	 				
Water level was measured using				 	Neat Cement	ibs
Well was developed forhor	Grout				Bentonite	Ibs
atgpm	, <u> </u>	Grouting N	Method			
Method of development		Drilling M	ethod			
Was permanent pumping equipment ins				GEOLO	GIC LOG	
	gpm	Note	each depth w	here water	was encountered in	n consolidated
-	- .	form	ations.			
Pump type:		1/1	TELL D	e11181	BY WM.	51017401
Drilling Fluid	Type of Rig)4	- 1.10	11 Man	11
Health and Safety Plan submitted?	Yes No		CION IN	C WE	C PERIII	
Level of Protection used on site (circle	one) None D C B A	7	NMBE	e And	DRECOLD	COULD
I certify that I have constructed					24101	
accordance with all well permit	requirements and applicable	4	1101 5	EF		
State rules and	d regulations.		THEN	MATIC	ON PROU	1080
Drilling CompanyADVAN	ICED DRILLING, INC.			10	9-2 GN/1	.000
	S. AIRGOALIA	_E	100008	HSP	EL CID	IKUI
Well Driller (Print) SOX S	1 /	_	DEP.			
Driller's Signature	allealla	_				
	Date 3 20 10	$\rho \sqsubseteq$		<u> </u>		
Registration No. 7/330	DateD	<u></u>				
CODIES: White	- DEP Canary - Driller	Pink	c - Owner	Golden	rod - Health Dep	t.

Canary - Driller

White - DEP

COPIES:

DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT DIVISION OF WATER POLICY & SUPPLY

Permit No. 0511558
Application NadS-11558
County
00 101

WELL RECORD

25.32.481 25.11558

١.	:. OWNER Barney Jadach ADDRESS 265 Mapl	e Avenue, Dunellen, N.J.
	Owner's Well No SURFACE ELEVATION	(Above mean sea level)
2.	2. LOCATION Branchburg, Somerset County	· · · · · · · · · · · · · · · · · · ·
3.	3. DATE COMPLETED	ell Drilling Go.
ų.	4. DIAMETER: top 6 Inches Bottom 6 Inches TOT	AL DEPTH 140 Feet
5.	5. CASING: Type Drive Dlameter 6 Inch	es Length 42 Feet
6.		
	Range in Depth { TopFeet Geologic Formation Feet	
	Tail piece: DiameterInches Length	
7.		Feet above surface
	Water rises toFeet above surface	-
8.	8. RECORD OF TEST: Date 9/20/63 Yield	Gallons per minute
	Static water level before pumping 60 Pumping level	Feet below surface
	Pumping levelfeet below surface after	hours pumping
	Drawdown 40 Feet Specific Capacity 2 Gals	nor min ner ft. of drawdown
	How Pumped sub How measured	bucket
	How Pumped sub How measured	bucket
9		bucket
9	How Pumped Sub How measured Observed effect on nearby wells none 9. PERMANENT PUMPING EQUIPMENT: Type Hfrs. Name	bucket
9	How Pumped Sub How measured Observed effect on nearby wells <u>none</u> 9. PERMANENT PUMPING EQUIPMENT: Type	bucket H.PR.P.H
9	How Pumped Sub How measured Observed effect on nearby wells <u>none</u> 9. PERMANENT PUMPING EQUIPMENT: Type Hfrs. Name Capacity G.P.H. How Driven Depth of Pump in well Feet Depth of Footpiece in	h.P R.P.H Feet
9	How Pumped Sub How measured Observed effect on nearby wells NONE 9. PERMANENT PUMPING EQUIPMENT: Type Hfrs. Name Capacity G.P.H. How Driven Depth of Pump in well Feet Depth of Footpiece in	bucket
9	How Pumped Sub How measured Observed effect on nearby wells NONE 9. PERMANENT PUMPING EQUIPMENT: Type Hfrs. Name Capacity G.P.M. How Driven Depth of Pump in well Feet Depth of Footpiece in	bucket
	How Pumped Sub How measured Observed effect on nearby wells NONE 9. PERMANENT PUMPING EQUIPMENT: Type Hfrs. Name Capacity G.P.H. How Driven Depth of Pump in well Feet Depth of Footpiece in	h.P R.P.H Feet
10	How Pumped Sub How measured Observed effect on nearby wells NONE 9. PERMANENT PUMPING EQUIPMENT: Type Hfrs. Name Capacity G.P.H. How Driven Depth of Pump in well Feet Depth of Footpiece in Depth of Air Line in well Feet Type of Neter on Pum 10. USED FOR Offices AMOUNT {	H.P R.P.H well Feet p SizeInches e Gallons Daily m Gallons Daily t: Yes No X
10	How Pumped Sub How measured Observed effect on nearby wells NONE 9. PERMANENT PUMPING EQUIPMENT: Type	bucket H.P R.P.H well Feet p SizeInches e Gallons Daily m Gallons Daily : Yes No X Temp Of
11	How Pumped Sub How measured Observed effect on nearby wells NONE 9. PERMANENT PUMPING EQUIPMENT: Type Hfrs. Name Capacity G.P.H. How Driven Depth of Pump in well Feet Depth of Footpiece in Depth of Air Line in well Feet Type of Neter on Pum 10. USED FOR Offices AMOUNT {	bucket H.P R.P.H well Feet p SizeInches e Gallons Daily m Gallons Daily : Yes No X Temp Of
10	How Pumped Sub How measured Observed effect on nearby wells	bucket H.P R.P.M well Feet p SizeInches e Gallons Daily m Gallons Daily e: Yes No Temp OF samples available? ric log was made, vises.
10	How Pumped Sub How measured Observed effect on nearby wells None 9. PERMANENT PUMPING EQUIPMENT: Type	bucket H.P R.P.M well Feet p SizeInches e Gallons Daily m Gallons Daily e: Yes No Temp OF samples available? ric log was made, vises.

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DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT DIVISION OF WATER POLICY & SUPPLY

25.32.481	
Permit No. 25-7300	
Application No	
County	
~ 20 181	

	WELL RECORD 25.4800
1.	OWNER GILBERT VARRETT ADDRESS 89 ARDMAER DRIVE.
••	Owner's Well No SURFACE ELEVATION Feet
	RECOVER GORDENS - SOMERVILLE, M.J.
2.	DATE COMPLETED 11/7/57 DRILLER STEVE BIDAK
. 3.	DIAMETER: top 6 Inches Botton 6 Inches TOTAL DEPTH 90 Feet
¢.	DIAMETER: top O Inches Botton Inches IUIAL DEPIN / O Inches
5.	CASING: Type STEEL Diameter 6 Inches Length 21 Feet
٤.	SCREEN: Type Diameter Inches LengthFeat
	Range Top Feet Geologic Formation <u>KEU JAHLE</u>
	SCREEN: Type
	Tail piece. DiameterInches LengthFeet
7.	WELL FLOWS NATURALLY Gallons per Minute at Feet above surface
	Water rises toFeet above surface
)) _e	RECORD OF TEST: Date 11/7/57 Yield 10 Gallons per minute
	static water level before pumpingFeet below surface
	Pumping levelhours pumping
	t dispersion of the contract o
	Drawdown 15 Feet Specific Capacity 10 Gals. per min. per ft. of drawdown
	Drawdown 15 Feet Specific Capacity 10 Gals. per min. per ft. of drawdown
	How Pumped BAILER How measured BAILER
	How Pumped BAILER How measured BAILER Observed effect on nearby wells NONE
9.	How Pumped BAILER How measured BAILER Observed effect on nearby wells NONE PERMANENT PUMPING EQUIPMENT:
9.	How Pumped BAILER How measured BAILER Observed effect on nearby wells NONE PERMANENT PUMPING EQUIPMENT: Type Mfrs. Name
3.	How Pumped BAILER How measured BAILER Observed effect on nearby wells NONE PERMANENT PUMPING EQUIPMENT: Type Mfrs. Name H.PR.P.H
3.	How Pumped
3.	How Pumped
9.	How Pumped
	How Pumped BAILER How measured BAILER Observed effect on nearby wells NCNE PERMANENT PUMPING EQUIPMENT: Type Mfrs. Name
	How Pumped BAILER How measured BAILER Observed effect on nearby wells NCNE PERMANENT PUMPING EQUIPMENT: Type Mfrs. Name
10	How Pumped BAILER How measured BAILER Observed effect on nearby wells NCNE PERMANENT PUMPING EQUIPMENT: Type Mfrs. Name
10	How Pumped BAILER How measured BAILER Observed effect on nearby wells NCNE PERMANENT PUMPING EQUIPMENT: Type Mfrs. Name
10	How Pumped BAILER How measured BAILER Observed effect on nearby wells NENE PERMANENT PUMPING EQUIPMENT: Type Mfrs. Name
10	How Pumped BAILER How measured BAILER Observed effect on nearby wells Nene PERMANENT PUMPING EQUIPMENT: Type
10	How Pumped BAILER How measured BAILER Observed effect on nearby wells NENE PERMANENT PUMPING EQUIPMENT: Type Mfrs. Name

Form DWR- 138 11/80

OBSERVATION PURPOSES ONLY

Coord: 2532481 STATE OF NEW JERSEY

DEPARTMENT OF ENVIRONMENTAL PROTECTION TIVISION OF WATER RESOURCES

25 32.481

PERMIT NO.

COUNTY_

252510

APPLICATION NO. _

Somerset

WELL RECORD

25 25/01

ン) 1.	OWNER ADDRESS	
	Owner's Well No SURFACE ELEVATION	Feet
2	LOCATION Lot: 9 Block: 141 Municipality: Somerville Boro	
3.	DATE COMPLETED 5-19-84 DRILLER Diamond Drilling Co., Inc.	
4.	DIAMETER: Top 2 inches Bottom inches TOTAL DEPTH 19'	Feet
5.	CASING: Type Diameter Inches Length	Feet
6)	SCREEN: Type	Feet
	Range in Depth Top Feet Geologic Formation Decomposed Shale	
	Tail Piece: Diameter Inches LengthFeet	
7.	WELL FLOWS NATURALLY Gallons per minute at Feet above surface	
	Water rises to Feet above surface	
8.	RECORD OF TEST: Date Yield Gallons per minute	
	Static water level before pumping	
7)	Pumping level feet below surface after hours pumping	
Ĺ	Drawdown Feet Specific Capacity Gals. per min. per ft. of drawdown	•
	How pumped How measured	
	Observed effect on nearby wells	
9.	PERMANENT PUMPING EQUIPMENT:	
	Type Mfrs. Name	
	Capacity G.P.M. How Driven H.P R.P.M	
	Depth of Pump in well Feet Depth of Footpiece in well Feet	
	Depth of Air Line in well Feet Type of Meter on Pump SizeInches	
10.	USED FOR AMOUNT \{ Average Gallons Daily \\ Maximum Gallons Daily	
11.	QUALITY OF WATER Sample: Yes No	
	Taste Odor Color Color Temp of.	
12.	LOG Are samples available? (Give details on back of sheet or on separate sheet. If electric log was made, please furnish copy.)	
13.	SOURCE OF DATA	·
	Date Date Date	

PRCJECTRCARt_202Somerville, N.J.			-11-		JAC	Ing Co. Inc. SHEET OF Job No. BORING NO LINE 8 STA. OFFSET		
	Permi	.t # 🗘 :	25.5 7-2	32.A	81		DATE, S	GROUND ELEVATION
CASING SAMPLE COUPLI	O D. R O D. NG O;D.		.1.D .1 D .1 D		WE	IGHT OF H	CASI IAMMER SAMI ITH OF SAMP	PLERLBS CASINGSAMPLERIN.
DEPTH BELOW SUR- FACE	CASING BLOWS PER FOOT	SAMPLE NO. DEPTHS ELEV. FT.	j.	8 - 15 P	· LIP	Vineiac do Terrior Edvision e	PROFILE CHANGE DEPTH ELEV.	IBENTIFICATION SOILS REMARKS
	•					x13' Screen	6'	Red Decomposed shale, gravel silt, sand
-10						14'	13'	Brown Coarse, sand, trace silt Tank fill Red
) .			1			-		Decomposed shale
-20	,						<u>17'</u>	Weathered shale Refusal 17'
- 3 0								
	Engineering Inspec					C	lelper <u>Wa</u>	uis Ontek lter Ontek
	B CLA' S SILT LAY	Y !	Clayey Silight Plow Pl. medium l	l Pi	At Bal Three Three Three Three	ISUAL IDE I Moisture ad 1/4" ad 1/8" ad 1/16" ad 1/16" ad 1/32" ad 1/54	Rel	TERMS USED ative Dansity (DR) of Clayer soils (L) 0 - 40% soft (S) 0.1 - 0.51sf firm (F) 0.5 - 1.01sf med. hard (MH) 1.0 - 201sf hard (MH) 2.0 - 401sf very hard (VH) over 4 01sf

BESTRANIUM

13. SOURCE OF DATA

DATA OBTAINED BY

Coord: 253248i STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES

252**510**9

25.32.481

APPLICATION NO.

	-	_			
30	m	9	Ľ	-3	e

_	WELL RECORD
	25-25/08
1.	OWNER ADDRESS ROUTE 202
	Owner's Well No SURFACE ELEVATIONFed
2.	LOCATION LOC: 9 BLOCK: 141 MUNICIPALITY: SOMETVILLE BOTO
3.	DATE COMPLETED 5-19-89 DRILLER Diamond Drilling Co., Inc.
4.	DIAMETER: Top 2 inches Bottom inches TOTAL DEPTH /3 Fer
5.	CASING: Type Diameter Inches Length Fed
6}	SCREEN: Type Fue Size of Opening 30 Diameter 2 Inches Length 10 Fe
	Range in Depth { Top Feet Geologic Formation December 550 56126
	Tail Piece: Diameter Inches Length Feet
7.	WELL FLOWS NATURALLY Gallons per minute at Feet above surface
	Water rises to Feet above surface
8.	RECORD OF TEST: Date Yield Gallons per minute
•	RECORD OF TEST: Date Yield Gallons per minute Static water level before pumping Feet below surface
7	Pumping level feet below surface after hours pumping
	Drawdown Feet Specific Capacity Gals. per min. per ft. of drawdown
	How pumped How measured
	Observed effect on nearby wells
9.	PERMANENT PUMPING EQUIPMENT:
	Type Mfrs. Name
	Capacity
	Depth of Pump in well Feet Depth of Footpiece in well Feet
	Depth of Air Line in well Feet Type of Meter on Pump SizeInches
	Callana Dailte
10.	USED FOR AMOUNT Average Gallons Daily Maximum Gallons Daily
11.	QUALITY OF WATER Sample: Yes No

Odor NC Color COSA: Temp. OF.

SAMPLER O.D. ID WEIGHT OF HAMMER	ATION
SAMPLER O.D. I.D. WEIGHT OF HAMMER SAMPLER INS. CASING INSIDE LENGTH OF SAMPLER IN. CASING IN. CASI	
SAMPLER O.D. 1D WEIGHT OF HAMMER SAMPLER LBS CASING NINDEL LENGTH OF SAMPLER IN SIDE LENGTH OF SAMPLER IN STATE SAMPLER SAMPLER IN STATE SAMPLER SAMPLER SAMPLER IN STATE SAMPLER SAMP	
Depth called short start called short start called short start called short start called short start called short start called short start called short start called short start called short start start called short start s	
Silver From City of Co-0 C-1 (2-10)2-1-1 (20) (11-1	
9' Red Decomposed shale, silt clay, sand 13' 13' Weathered shale End of Boring 13'	
9' Red Decomposed shale, silt clay, sand 13' 13' Weathered shale End of Boring 13'	
9' Red Decomposed shale, silt clay, sand 13' 13' Weathered shale End of Boring 13'	
9' Red Decomposed shale, silt clay, sand 13' 13' Weathered shale End of Boring 13'	
9' Red Decomposed shale, silt clay, sand 13' 13' Weathered shale End of Boring 13'	, L
9' Red Decomposed shale, silt clay, sand 13' 13' Weathered shale End of Boring 13'	*
Decomposed shale, silt clay, sand 13' 13' Weathered shale End of Boring 13'	<u> </u>
Decomposed shale, silt clay, sand 13' 13' Weathered shale End of Boring 13'	-
13' 13' Weathered shale End of Boring 13'	gravel
End of Boring 13'	- -
-20	
-20	
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-30	
-30	·
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Soils Engineer: Driller: Louis Ontek	
Walter Oat le	
Drilling Inspector: Helper: Walter Unitek VISUAL IDENTIFICATION TERMS USED	
Clayey Soils At Ball Moisture granular soils Clayey Silt slight Pl Thread 1/4" laose (L) 0 - 40% soft (S) SILT B CLAY low Pl. Thread 1/6", medium campact (MC) 40 - 70% firm (F) CLAY 9 SILT medium Pl Thread 1/16", compact (C) 70 - 90% med hard (MI) Silty CLAY high Pl Thread 1/32", very compact	

New Jersey Department of Environmental Protection Bureau of Water Allocation

Bure	eau oi vv	alei All	Juanun	
MONITO	RING	WFII	REC	OR

D

			Well Permi	it No25	<u>56240</u>	
					es <u>25</u> : <u>32</u>	482
R IDENTIFICATION - Owner	EXXON MOBIL CORP.					
Address1900_E_LI DityLINDEN	NDEN_AVE State		N.T	Z	ip Code	
		Ownork	Wall No	MW	-11 INESIE) }
NELL LOCATION - If not the same as own CountySOMERSET	Municipality RARI	TAN BOR	nLot	No4_	Block No	1
Address 403 ROUTE 202 NORT						
	HOUTTODI	NC	ا DAT	E WELL CO	STARTED 5 /	17 00
TYPE OF WELL (as per Well Permit Cate Regulatory Program Requiring Well	gories)nunllukl	Nu .				
regulatory : regions to 4						
CONSULTING FIRM/FIELD SUPERVISO	R (if applicable)Ge	ologic	Services	<u></u> '	Tele. #	-
WELL CONSTRUCTION	Note: Measure all depths	Depth to		Diameter	Material	Wgt./Rating
Total depth drilled 30 ft. Well finished to 30 ft.	from land surface	Top (ft.)	Bottom (ft.)	(inches)	Wateria.	(lbs/sch no.) SCH 40
Well finished to ft.	Single/Inner Casing	311	3' 20'	211	PVC	5CH 40
Borehole diameter:	Middle Casing		20	r.		
Top 10 in. Bottom 10 in.	(for triple cased wells only)					
	Outer Casing					10
Well was finished: above grade	(largest diameter) Open Hole or Screen	3.	15!	2"	PVC	SCH 40
flush mounted	(No. Used .020)	201	30'	2"		
If finished above grade, casing height (stick property) that the stick property is the stick property of the s	Blank Casings (No. Used)					
teel protective casing installed?	Tail Piece					
Static water level after drilling 7 ft. M-Scope	Gravel Pack	2/1	15		#2 well sand	ļ 24
Water level was measured using1		181 6"			Neat Cement	188 lbs.
Well was developed forhours	Grout	151	181	<u> </u>	Bentonite	6 lbs.
at5_ gpm		arouting N	lethod	gravi	Lty	
Method of development sub pump		Orilling Me	ethod	air_i	cotary	
Was permanent pumping equipment installed	i? ☐Yes ☑ No			GEOLO	GIC LOG	
Pump capacity gpm				here water v	was encountered in	consolidated
Pump type:none		forma	ations.		·	
remp of a second	of Dia T3W	_0	1' grave	21		
Drilling Fluid Type		_ 20 red	1 brown	medium clayey	sand	
Health and Safety Plan submitted? ☑ Yes		20	' - 30' w	eathered	red shale	
Level of Protection used on site (circle one)	None (D)C B A					· · · · · · · · · · · · · · · · · · ·
I certify that I have constructed the a accordance with all well permit requ State rules and reg	irements and applicable				· · · · · · · · · · · · · · · · · · ·	
Drilling Company SBI ENVI	RONMENTAL INC	_				
	m F11efser	_				
willer's Signature /////	TIY	=				
1172	5 , 22 , 0	o 🗀				
Registration No	_ Date					

Form 87-54-8-51

Ravitan, som erset Co.

DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT Division of Water Policy & Supply WELL RECORD

L3.36.100 E
Permit No. 25-1/82
Application No
County
25.32.482

1.	OWNER Harry J. Fitzpatrick	_ ADDRESS 36 Anglone D	rive, Somerville, N
	Owner's Well No.		
	LOCATION Somerville, Somerset		
3.	DATE COMPLETED 9/21/51 DRIL	LER _Richard Cronce	
	DIAMETER: Top 6 Inches Bottom		
5.	CASING: TypeDrive	Diameter 6 Inches	ength of Feet
6.	SCREEN: TypeOpening	DiameterInches	LengthFeet
	Range in Depth Top Feet Bottom Feet	Geologic Formation	6
	Tail piece. Diameter inches	Heliken	
7.	WELL FLOWS NATURALLY Gallons	per Minute at	Feet above surface
	Water rises toF	eet above surface	••
8.	PROOF OF TEST. Date 9/21/51	Yield	Gallons per minute
•	State lord before numning 95		Feet below surface
	Pumping levelfeet h	pelow surface after	hours pumping
	Pumping level 120 feet b Drawdown 25 Feet Specific	Capacity 5,400 Gals. per	min. per ft. of drawdown
	How Pumped Cylinder	How measured Buck	et
	Observed effect on nearby wellsnone		
	PERMANENT PUMPING EQUIPMENT:		
У.	_	Capacity	Gallons per minute
	How Driven	Horse Power	R.P.M
	Depth of pump in well Feet	Depth of Foot piece in well	Feet
	Depth of Air Line in well Feet	Type of Meter on Pump	
10	. USED FOR Domestic	(Average90	Gallons Daily
	. 0020 14.1	AMOUNT Maximum 180	Gallons Daily
	. QUALITY OF WATER		
11	Taste none odor none	Color Clear Tempe	ratureF
12	. LOG Red shale (Give details on back of sheet or on	Are separate sheet)	samples available?
13	. SOURCE OF DATA Driller . DATA OBTAINED BY Richard Cre		

PAGE 1 OF 2

New Jersey Department of Environmental Protection and Energy Bureau of Water Allocation {

WELL RÉCORD

				No25_~		1 1
			Atlas Sheet (Coordinates		2 []
WHED INCUTIEINATE	nu numer	T0771 NITCV				<u> </u>
MMCK IDEN IIFIGALI Adena	OM - OMILEI	520 TALAMINI BOY	מע			
ity		PRIDGEWATER				<u>'</u>
· · · · · · · · · · · · · · · · · · ·						
ddress VONES LA	ot the same owner please	·	Well No.		<u>::</u>	
ountySOM	ERSET Munic	ipalityBRID	EWATER TWP	Lot No	3223 Block No	
13771	IDDALIA)		Canana	STÄNNRY		
ELL USE WITH	TURANAL	 	\$tatus	O I MILLOU (
VATER USE DOM	STIC	Average4	00 gal	s, daily	Maximum 800	gals, daily
TELL CONSTRUCTION OREHOLE DIMENSION and Surface Elevation	INS Depths: Diamete at well 153 ft.		Finished3 Bottom	100 ft. _6 in. ingTOPOG	RAPHIC SHEFT	
Casing Height (stick-up)	above land surface	<u>1.5</u> ft.				
• -	DEFTH TO TOP (FT.)	LENGTH {FT.}	DIAMETER (IN.)		TYPE AND MATERIAL Screens: Note Slot Size(s)	•
		62	6	STEEL		
Casing 1 Casing 2						
Casing 2 Casing 3						
Screen 1	<u> </u>		· .		· · · · · · · · · · · · · · · · · · ·	
Screen 2						
Tail Piece	 -					
Gravel Pack						
Grout	3	57,5		1:1 п	ix cement grout	`
Grouting Metho	gravity/cas	ement displacem	<u>ent</u>			
Water rises to RECORD OF TEST Static water-level before Water level was measure Discharge rate measure Well was pumped using	ft, above the land Test Date of the pumping 140 TAPE CONTAIL	nte <u>02</u> / <u>03</u> / ft. below land surface. NER	94 Water level 2 Drawdown 1 Discharge Rate	50 ft. 1	below land surface after <u>4</u> h als, per min. _ gals, per min, per ft, of draw&	
Water Quality (taste, t	dor, color, etc./					
PERMANENT PUMPI	NG EQUIPMENT	Installed by HUNTER	RDON WELL & P	<u>UMP</u> Pum	p Type <u>SUBMERSIBLE</u>	
Mfrs. NameR	ED JACKET			Model		
CAPACITY: Pump d		PM at60P				
POWER:3/	4 HP at	_3450RPM Pov		CTRIC		
DEPTHS: Pump _2	10 ft.	Footpiece	ft. Airl	ine		
	et		installed on		liamater pipa.	
	(0.38)	OMERVILLE WELL	DRILLING CO.			
CONTRACTOR NOT	NDFRVFFR ROAD					
שיעוזמם	WATER		State	NJ	Zip Code _ XXXXX	18807
Name of Driller PA	UL THOMAS				icense No. <u>J1291</u>	
Signature of Contract	03	us & Mi	Tan-		Date <u>02 / 03 / 9</u>	14 (1)
	OPIES: V	Vhite - DEPE Cenary - L	criffer Pink - Owne	r Goldenrod	- Health Dept.	

PAGE 2 OF 2

WELL RECORD

Well Permit No. 25 _ 44493

Driller: Please use the space below for the log description. Note water bearing zones or geological formation. ☐ Yes XX No Storet Hydrogeo Code ___ Are samples available? Drilling Method ROTARY USGS Hydrogeo Code _____ Depth to Bedrock ft. Bedrock Lith. Code _ AIR ROTARY Type of Rig Bedrock Fm, Code ___ Aquifer/Geo. Fm. RED SHALE Completed by ____ Data ____/___/___ LOG Thick. Lith. Fm. 0-20' OVERBURDEN 20-300' RED SHALE GWPI No. NJPDES No. Latitude Longitude Lat-Long Accuracy □ 20° USGS Quadrangle Drainage Basin Code County/Municipality Code OTHER FILES: \square Lithologic Log ☐ Samples Available ☐ Water Level Data ☐ Aquifer Test ☐ Geophysical Logs ☐ Water Chemistry Pollution Case Checked by

DWR-138 M 6/89



New Jersey Department of Environmental Protection Division of Water Resources

4

MONITORING WELL RECORD

			Sheet Coordi		:_32	:_482
OWNER IDENTIFICATION - Owner	oneno ntarioreta.				··	
Address	10018 202					
			State		Zip Code _	08869
WELL LOCATION - If not the same as County Somusit	Municipality	ss. Own	er's Well No.	DW-a	20Blo	ck No
Address Some as About					0 0	0.4
TYPE OF WELL (as per Well Permit Ca					nd 2 19	
Regulatory Program Requiring Well	HONITORING BORA		Case I.	D. #		
CONSULTING FIRMFIELD SUPERVI	SOR (if applicable)	mes a	Doore		Tele. #_ <i>90</i>	<u> 18-272-83</u> 0
WELL CONSTRUCTION Total depth drilled 30 ft.	! :		Depth to Bottom (ft.) d surface]	Dlameter (inches)		nd Material
Well finished to30ft.	Inner Casing					
Borehole diameter: Top <u>I D</u> in.	Outer Casing (Not Protective Casing)	0	16	6	54.40	Steel
Bottom 6 in.	Screen (Note slot size)		-		_	
Well was finished: above grade	Tail Piece					į.
If finished above grade, casing	Gravel Pack					
height (stick up) above land surfaceft.	Annular Seal/Grout	0	16		Portlan	desent
Was steel protective casing installed	Method of Grouting	Prison	v. Gra	t w	trimie	LINE:
Yes No Static water level after drilling	7 #	GE	OLOGIC LO	(Copie	es of other geo	logic logs and/or ould be attached.)
Water level was measured using	_				<u></u>	
Well was developed forho		- [<i>(</i>		Sunface	.
Method of development Air F	en Dill Rig		<u> </u>	umei .	JUATURE OF	ha
Was permanent pumping equipment in		•		.50	il	h
Pump capacitygpm	•			C	, 5'	
Pump type:	- Driltek	NAN		San Clay	4	
Drilling Method Air Rotary	^ \	רוטוים		Clay	7	
Drilling Fluid Air Typ	e of Rig			J	9'	
	<u> </u>			_	•	
Trouble and a series of the	X Yes No		[Lock 51	ale	
Level of Protection used on site (circle	one) None OC B A	`	•	1000		
N.J. License No. <u>1469</u>	AMERICA CHARRESTON CO	7 73			30	'
, ,	AMORIL STOTBOFF O					
I certify that I have drilled the above-referenced well in accordance with all well permit requirements and all app State rules and regulations.						
Driller's Sigr	nature	H40_	<u>-</u>		Date 2/6	20/91

COPIES: White & Green - DEP Canary - Driller Pink - Owner Goldenrod - Health Dept.

DWR-138 M 6/89



New Jersey Department of Environmental Protection Division of Water Resources

4

MONITORING WELL RECORD

OWNER IDENTIFICATION - Owner Address		•		Well	Permit No. 👱	538	110		Г
City RANITAN State NJ Zip Code 08869				Atlas	Sheet Coording	rates _25	:_32	_:_482	
City RANITAN State NJ Zip Code 08869	(OWNER IDENTIFICATION - Owner —	RTHO DIAGNOSTIC	SYSTEMS	· · · · ·	· · ·			_
WELL LOCATION - If not the same as owner please give address. County Samues Municipality Address Samues Municipality RARITAN BORO Address Samues Municipality RARITAN BORO Address Samues Municipality RARITAN BORO Address Samues Municipality RARITAN BORO Address Samues Municipality RARITAN BORO Date well completed 2 1 9 1 91 Case I.D. # Consultating Firm/Fire Location Support Manager Consultation Support Ma		Address	ANTERIOR CONO					00010	
County Samaset Municipality RARITAN BORO Address Samase Abele TYPE OF WELL (as per Well Permit Categories) Regulatory Program Requiring Well RARITAN BORO REGULATORING Case I.D. # CONSULTING FIRM/FIELD SUPERVISOR (if applicable) WELL CONSTRUCTION Total depth drilled 30 ft. Well finished to 30 ft. Borehole diameter: Top 10 in. Bottom 6 in. Well was finished: above grade If flush mounted If flush mounted If flush mounted If flush mounted Was steel protective casing installed? Annular Seal/Grout 0 14 - Partland Caset Was steel protective casing installed? Method of Grouting Anguage Grout wo Immire Line Water level was measured using M-Scape Well was developed for hours at 2 ppm Method of development Air From Ok II Rig Was permanent pumping equipment installed? Yes No Date well completed 2 1 9 9 17 Case I.D. # Case I.D		City	PARITAN	 	StateNJ_	·	Zip Code _	08867	_
TYPE OF WELL (as per Well Permit Categories) Regulatory Program Requiring Well Case I.D. # Consulting Firm/Field Supervisor (if applicable) Note: Tele. #908-272-830 C Well construction Total depth drilled 30 ft. Well finished to 30 ft. Borehole diameter: Top 10 in. Bottom 6 in. Well was finished: above grade If finished above grade, casing height (stick up) above land surface ft. Was steel protective casing installed. Was steel protective casing installed. Was steel protective casing installed. Well was measured using 10 steel ft. Water level after drilling 828 ft. Water level after drilling 828 ft. Was permanent pumping equipment installed? 1 yes No Pump capacity 9pm Pump type: Drilling Method Air Retery Date well completed 2 19 191 Case I.D. # Case I.D. # Tele. #908-272-830 C		WELL LOCATION - If not the same as o	wner please give addres	ss. Ow	ners Well No	mw	-21		
TYPE OF WELL (as per Well Permit Categories) Regulatory Program Requiring Well Case I.D. # Consulting Firm/Field Supervisor (if applicable) Note: Top (it.) Well Construction Total depth drilled 30 ft. Well finished to 30 ft. Borehole diameter: Top 10 in. Bottom 6 in. Well was finished: above grade If finished above grade, casing height (stick up) above land surface ft. Was steel protective casing installed. Was steel protective casing installed. Was steel protective casing installed. Was steel protective casing installed. Well was measured using 10 steel. Water level after drilling 828 ft. Was permanent pumping equipment installed? 12 yes No Pump capacity 9pm Pump type: Drilling Method Air Retery Date well completed 2 19 19/1 Case I.D. # Case I.D. # Tope as No Tope (It.) Bepth to Depth to Depth to Depth to Top (It.) Bepth to Depth to Depth to Depth to Depth to Top (It.) Inner Casing (Inner Casing (Inner Casing (Inner Casing Case III)) Type and Material (Inner) Type and Mate		County Samues	Municipality RARITA	N RORO		LOUNO.	bi	31	
WELL CONSTRUCTION Total depth drilled		Address Some on Hotel	HE LEAD				0 0	. 01	<u></u>
WELL CONSTRUCTION Total depth drilled		TYPE OF WELL (as per Well Permit Car	egories)		Date w	eil complete	d <u>& 17</u>	191	
WELL CONSTRUCTION Total depth drilled		Regulatory Program Requiring Well	BUILTURING	-	Case I.I	D.#			
Total depth drilled		CONSULTING FIRM/FIELD SUPERVIS	OR (if applicable)	ama a l	Noore		Tele. # <u>_</u> 7	08-272-8.	30C
Total depth drilled SO ft. Well finished to 3O ft. Borehole diameter: Top 10 in. Bottom 6 in. Well was finished: above grade		WELL CONSTRUCTION		Depth to		Diameter	_	,	l
Borehole diameter: Top					• •	(inches)	Type	and Material	
Top		Well finished toft.	Inner Casing	_	_				- {
Bottom			Outer Casing (Not Protective Casing)	0	14	6	Sch 41	O Steel	
Well was finished: above grade		Bottomin.	Screen						1
If finished above grade, casing height (stick up) above land surface)	·			-	_	_	,	
height (stick up) above land surfaceft. Was steel protective casing installed? Method of Grouting human Grout w/Trime Line Yes No Static water level after drillingft. Water level was measured usingSt. Well was developed for		[X] flush mounted:	Gravel Pack					į į	
Was steel protective casing installed? Method of Grouting Product Grout W/rimite Line Yes X No Static water level after drilling 8.28 ft. Water level was measured using M-Scope Well was developed for 5 hours at Z gpm Method of development Air From Oxil Rig Was permanent pumping equipment installed? Yes X No Pump capacitygpm Pump type: Drilling Method Air Rotary Oxid South W/rimite Line (Copies of other geologic logs and/or geophysical logs should be attached.) GEOLOGIC LOG (Copies of other geologic logs and/or geophysical logs should be attached.) Fill Surface Fill 5 Fi		height (stick up) above land			14		Partlan	Ilexant	
Was steel protective casing installed: Yes X No Static water level after drilling 8.28 ft. Water level was measured using M-Scope Well was developed for 5 hours at 21 gpm Method of development Air From Oxil Rig Was permanent pumping equipment installed? Yes X No Pump capacitygpm Pump type: Drilling MethodAir Rotary		—	Mathed of Conding	0	(+	17.		2410	
Static water level after drilling			Method of Groding	MUDOW	e Grow	W/ III	s of other de	ologic logs and/o	J or
Water level was measured using M-Scope Well was developed for 5 hours at 21 gpm Method of development Air From Ovil Rig Was permanent pumping equipment installed? Yes No Pump capacitygpm Pump type: Drilling Method Air Rotary			8 ft.	Gi	EOLOGIC LO	G geoph	ysical logs s	hould be attache	d.)
Well was developed for		Water level was measured using	-Scope		_			_	•
Was permanent pumping equipment installed? Yes No Pump capacitygpm Pump type: Drilling MethodAir Rotary 01 0/10/1/		Well was developed for	urs at <u>21</u> gpm		(2)	MI MA	1 5.	A TORR	-
Pump capacitygpm Pump type: Drilling Method _Air Rotary		Method of development	m Ukill Kig		0/ 1-	<u> </u>	1 (7)	100	\dashv
Pump type:			nstalled? Tyes XI	lo	black	lop & W	1	199	
Drilling Method Air Rotary 2 11 Diay		•			Fill	1	5	· 22	
Drilling Fluid Air Type of Rig Drillet U70K		Drilling Method Air Rotar	+ 0.4111	SUN	Cla	,	ا ۾		l l
		Drilling Fluid Air Typ	e of Rig Drifet L	JIOK	Clay	,	D	1	- 1
Name of Driller Tim_ Heal						, ,			
Health and Safety Plan submitted? X Yes No		HEARING COLORS		.	Rode	Shale_			
Level of Protection used on site (circle one) None (C B A		Level of Protection used on site (circle	one) None(D) C B	^	rica				
N.J. License No. 1469		N.J. License No. 1467	anamanas A	o Than			<i>3</i> ð'		
Name of Drilling Company SAMES, STOTHOFF CO., INC.		140.510 0. 0						11 12 1-1-	
I certify that I have drilled the above-referenced well in accordance with all well permit requirements and all applicable)	I certify that I have drilled the above	e-referenced well in a	ccordance v	vith all well pe	ermit requir	ements and	all applicable	
State rules and regulations.		State rules and regulations.	Λ.	11 -			_ 1	1	
Driller's Signature — Hall Date 2/20/91		Drillar's Sin	nature	Haul			Date 2 /	20/91	

White & Green · DEP

COPIES:

Canary - Driller Pink - Owner Goldenrod - Health Dept.

DWR-138 M 6/89



Driller's Signature

New Jersey Department of Environmental Protection Division of Water Resources

4

Date 2/20/91

MONITORING WELL RECORD

•		We Atl	ell Permit No as Sheet Coordi	25 31	3111		
OWNER IDENTIFICATION - Owner				~ 243		_ · - 482 ·	
Address	POUTE 202	פפוומומ					
	· · · · · ; -		State NJ		Zip Code_	08869	
WELL LOCATION - If not the same as	owner please give addre	ss. O	wner's Well No.			ook No	
County Humferclon Address Same on About	RARITA	N BORO		_ LOUNO	BI	31	
TYPE OF WELL (as per Well Permit Ca Regulatory Program Requiring Well	ategories)		_ Date w	vell complete	2,9	1,91	
CONSULTING FIRMSFIELD SUPERVI	SON (II applicable)	WING G	11.001		1010. #_//	WAIR OUR	
WELL CONSTRUCTION Total depth drilled 30 ft.		Depth to Top (ft.)	Depth to	Diameter		and Material	
Well finished to30_ft.	Inner Casing			_			
Borehole diameter: Top <u>10</u> in.	Outer Casing (Not Protective Casing)	-	10	6	5,14	D Steel	
Bottom 6 in.	Screen					207307	
Well was finished: above grade	(Note slot size) Tail Piece	<u> </u>		-			
If finished above grade, casing	Gravel Pack						
height (stick up) above land surfaceft.	Annular Seal/Grout	0	10	_	Portland	Cenent	
Was steel protective casing installed? Yes No	Method of Grouting		une Gra	(Conie	₹ .	ologic logs and/or	
Static water level after drilling _20	ft.	G	EOLOGIC LOC	geoph	ysical logs st	nould be attached.)	
Water level was measured using							
Well was developed for			G	round	Surf	are	
Was permanent pumping equipment in		0		BlackTo			
Pump capacitygpm					• .	1' \	
Pump type:			Seil 5'				
Drilling Method Air Rator	YAK						
Drilling Method Hir Kitary Drilling Fluid Air Type of Rig Driffet 040K Name of Driller Jim Hall			Red Shale				
		Red Shalle					
Level of Protection used on site (circle	X Yes						
N.J. License No		6 - 1				7.1//	
	MURIT ELIABORA OCO	inc				30'	
I certify that I have drilled the abov State rules and regulations.	e-referenced well in ac	cordance	with all well per	rmit require	ements and	all applicable	

DWR-138 M 6/89



New Jersey Department of Environmental Protection Division of Water Resources

4

MONITORING WELL RECORD

_		Well I Atlas	Permit No Sheet Coordi	253 nates25	7997 :-32:	- - <u>482</u>
OWNER IDENTIFICATION - Owner	OPTIO DIAGNISTIC	-SYSTEMS				
	BOUTE 202			<u> </u>		
City	RARITAN	_ 	StateNJ_		Zip Code 🙋	8869
WELL LOCATION - If not the same as	owner please give addres Municipality	ss. Owr	ner's Well No.	P2	<u> </u>	
County Somuset Address Some as M	This RARIT	AN BORO			4	31
7,001000					d 1 22	
TYPE OF WELL (as per Well Permit Ca	PIEZOMETER				~ <u></u>	
Regulatory Program Requiring Well CONSULTING FIRMFIELD SUPERVIS	RCRA	Damia	· March	·	Tale # 26	1-272-836
CONSULTING FIRM/FIELD SUPERVIS	SOR (if applicable)		0 111001		1919. #_Ø_U/	<u> </u>
WELL CONSTRUCTION	,	Depth to	Depth to	Dlameter		
Total depth drilled 10.6 ft.	!	Top (ft.)	Bottom (ft.)	(inches)	Type and	i Material
Well finished to 10.6 ft.	·	[From lar	nd surface]	<u> </u>		
Borehole diameter:	Inner Casing		_			
Topin.	Outer Casing		3.6	2	Sch40	000
Bottom 6 in.	(Not Protective Casing) Screen					
Well was finished: above grade	(Note slot size)	3.6	10.6	2	Sch40PL	X_18/05/07
Well was finished. 200ve grade	Tail Piece	-		_		
If finished above grade, casing	Gravel Pack	2.6	10.6	_	#25taili	al Graid
height (stick up) above land	Annular Seal/Grout	1.6	2.6	1 =	Button !	lets L
surfaceft.	Method of Grouting	M	1. 7	1/	Paila Por	
Was steel protective casing installed?	Method of Grooting	Mixed	in 5 g	2/184	14.10 POR	1601
Yes X No Static water level after drilling 6	ft.	GE	OLOGIĆ LOG	(Copie	es of other geology sical logs show	gic logs and/or uld be attached.)
Water level was measured using						
Well was developed for			(200	unal S	infac a	
Method of development 2"Ty		50	litSome Sand	e Blow	Counts	04/01
Was permanent pumping equipment in		ر ا	0'2'	2-2	RedClay	
Pump capacitygpm		μ-	· U-&	3-5	2011	
Pump type:		2	-2'-41	6-13	Chyableath	3.6
and when thelle a chair	Auger	, ,		18-27	Shale	4/1-1
Drilling Fluid Name Typ	e of Rig Acker Soil	1110x 3.	-41-6'	17-34 52-76	Ked Shale	
Name of Driller Paul VI	abel		?	(0-78	01116	6
Health and Safety Plan submitted?	X Yes No	4-	-6-8	112-	Ked Share	
Level of Protection used on site (circle	one) None 🔬 C`B A	\	0'02'	100-	Red Shake Red Shale	8.1
N.J. License No. 31545		5-	-8-8-3	Rotusal	nun o	18' 7.01
Name of Drilling CompanyS	amtel stothoff co	Thq_				1100
I certify that I have drilled the abov	e-referenced well in ac	cordance wi	ith all well pe	rmit require	ements and all	applicable
State rules and regulations.		•			~ l:	6.
Driller's Sign	nature Paul	Una	hel		Date <u>2/4</u>	/41

Rose fan Simere"

Form 87-54-4-49

DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT Division of Water Policy & Supply

25.32.482 [].	/
Permit No. 2 5 - 1054	
Application No. County 25.32.482	
25.1054	

WELL RECORD

1. OWNER Rocco Calabrese	ADDRESS Main Street, Raritan
Owner's Well No	SURFACE ELEVATION (Above mean sea leval)
2. LOCATION Rabitan, Somerset.	(More ment on 1)
3. DATE COMPLETED 9/10/51	ORILLER Richard Cronce
4. DIAMETER: Top. 6. Inches Bo	tom 6 Inches TOTAL DEPTH 90 Feet
5. CASING: TypeDrive	Diameter 6. Inches Length 20. Feet
Size of 6. SCREEN: TypeOpening	Diameter Inches Length Feet Feet Geologic Formation 75 5 Feet
Tail piece: Diameter	
-	llons per Minute atFeet above surface
Water rises to	
	· · · · · · · · · · · · · · · · · · ·
	Yield S53 Gallons per minute
Static water level before pumping	Feet below surface
Pumping level 20 (et below surface after 3.5.5 hours pumping
	c Capacity Gals. per min. per ft. of drawdown
How Pumped_Cylinder	How measured Bucket
Observed effect on nearby wells None	
9. PERMANENT PUMPING EQUIPMENT:	
Туре	Capacity Gallons per minute
How Driven	Horse Power
Depth of pump in well	eet Depth of foot piece in well
10. USED FOR Domestic	(Average 90 Gallons Daily
	AMOUNT Amount Maximum 180
11. QUALITY OF WATER	
Taste None Odor None	Color_ClearTemperature °F
12. LOGRed Shale (Give details on back of sheet	t or on separate sheet) Are samples available?
13. SOURCE OF DATADriller	
	nce DATE9/10/51

F OR 4 87-

DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT DIVISION OF WATER POLICY & SUPPLY

30.52.4 63
Permit No. 25-64/9
Application No.
County

WELL RECORD

25.38.483

			85	* 1	
1.	OWNER Mr. J. Gerard AC	DRESS	Raritan, l	N.J.	
	Owner's Well No SI	JRFACE ELE	VATION -		Feet
2.	LOCATION Rarith, Somerset County		(
3.	DATE COMPLETED 2/11/57 DRILLER	I.&P.Ele	ctrical&Mac	chine Co	Inc.
4.	DIAMETER: top 8 Inches Botton 6				•
5.	CASING: Type steel Diam		•		
	SCREEN: TypeDiam	eter	Inches I	Length	Feet
	Range {				·.
	Tail piece, DiameterInches L				
7.	WELL FLOWS NATURALLY no Gallons per Hins		1	Feet above s	urface
	Water rises toFeet abov				
	RECORD OF TEST: Date 2/14/57 Yield _	12		Gallons per	
8.					
8.	Static water level before pumping	0			
8.	Static water level before pumping	oO ce after_	4	hours p	umping
8.	Static water level before pumping 6 Pumping level 120 feet below surfa Drawdown 70 Feet Specific Capac	oo ice after city_12	4 Gals. per min	hours p	um p i n g drawdown
8.	Static water level before pumping	oo ice after city_12	4 Gals. per min	hours p	um p i n g drawdown
8.	Static water level before pumping 6 Pumping level 120 feet below surfa Drawdown 70 Feet Specific Capac	ce after_ tity_12How me	lı Gals. per mir asured <u>Barr</u>	hours p	um p i n g drawdown
8.	Static water level before pumping 6 Pumping level 120 feet below surfa Drawdown 70 Feet Specific Capace How Pumped Machine Observed effect on nearby wells no PERMANENT PUMPING EQUIPMENT:	oO ice after_ ity <u>12</u> How me	4 Gals. per min	hours p	um p i n g drawd own
	Static water level before pumping E Pumping level feet below surfa Drawdown 70	ce after_ ity_12How me	4 Gals. per min asured <u>Barr</u>	hours p	um p i n g drawd own
	Static water level before pumping E Pumping level 120 feet below surfa Drawdown 70 Feet Specific Capace How Pumped Machine Observed effect on nearby wells PERMANENT PUMPING EQUIPMENT: Type Mfrs. No. Capacity G.P.M. How Driven.	ce after_ tity_12How me	lı	hours p	umping drawdown
	Static water level before pumping 6 Pumping level 120 feet below surfa Drawdown 70 Feet Specific Capace How Pumped Machine Observed effect on nearby wells no PERMANENT PUMPING EQUIPMENT:	ce after_ tity_12How me	lı	hours p	um p i n g
	Static water level before pumping E Pumping level 120 feet below surfa Drawdown 70 Feet Specific Capace How Pumped Machine Observed effect on nearby wells PERMANENT PUMPING EQUIPMENT: Type Mfrs. No Capacity G.P.M. How Driven Depth of Pump in well Feet Depth of Air Line in well Feet	ce after_cityHow me LameDepth of	H.P Footpiece in	hours p	umping drawdown
	Static water level before pumping E Pumping level feet below surfa 70 Feet Specific Capace How Pumped Machine Observed effect on nearby wells PERMANENT PUMPING EQUIPMENT: Type Mfrs. N Capacity G.P.M. How Driven Depth of Pump in well Feet Depth of Air Line in well Feet	ce after_cityHow me LameDepth of	H.P Footpiece in	hours p	umping drawdown
9.	Static water level before pumping	ce after_tityHow me LameDepth ofAMOUNT	H.P Footpiece in	hours p n. per ft. of c el R.P.M well p Gallon	umping drawdown Feet
9.	Static water level before pumping	ce after_city12How me LameDepth ofDepth ofAMOUNT	Li	hours pR.P.M well PGallonGallon	umping drawdown Feet S Daily s Daily
9.	Static water level before pumping	ce after_ ity12How me lame Depth of _Depth of _AMOUNTSample: _Color	H.P Footpiece in Heter on Pum Average Maximum	hours pR.P.M wellGallonGallonGallonTemp	umping drawdown Feet Daily s Daily
9.	Static water level before pumping	ce after_city_12How me lameDepth of _Depth of _AMOUNT _Sample: _Color	Gals. per mir asured Barr H.P. Footpiece in Meter on Pum Average Yes Are samples felectric log to	R.P.M well Gallon Gallon Temp available available	umping drawdown Feet Daily s Daily
9.	Static water level before pumping	Locafter_ LityHow me Lame Depth ofAMOUNTSample:Color	H.P	hours phours pR.P.M wellGallonGallonGallonAvailable available	irawdown Feet Daily Daily

Form 87-5H-4-49 RECEIVED

JAN 6 1950

DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT Division of Water Policy & Supply WELL RECORD

Permit No. 23-3/2
Application No
County Somerset
25,32,483 25,579

Department of Conservation & Economic Development Geologic & Top, Survey

- 250,000		1 2 2 2 2 2 2	25.579
1. OWNER. Or	tho Pharmaceutical	Gorp ADDRESS Re	ritm, N.J.
Owner's Wel	ll No	SURFACE ELEVATIO	N 7 60 Feet (Above mean sea level)
2. LOCATION:	Boro of Rarit	nne-Someraet-GeV-J	
8. DATE COMP	SK:: PLETED::::Dec 11749	DRILLER Stoth	off-CoInc.
		Bottome See See Inches To	
5. CASING: Typ		Diameter8Incl	nes Length 35110" Feet
		DiameterIncl	
Range in De	epth Top	Feet Geologic FormationFeet	
	Diameter		LengthFeet
7. WELL FLOW	 'S NATURALLY,	Gallons per Minute at	Feet above surface
Water rises	to	Feet above surface	
8. RECORD OF	TEST: Dateno.tes	tmadeYield	Gallons per minute
Pumping lev	el	_feet below surface after	hours pumping
Drawdown_	Feet Spe	cific CapacityGa	ls. per min. per ft. of drawdown
How Pumpe	d,	How measured	
Observed eff	ect on nearby wells		
9. PERMANEN	T PUMPING EQUIPMENT	Γ:	
Туре	3	Capacity	Gallons per minute
How Driven		Horse Power	R.P.M.
Depth of pu	mp in well	Feet Depth of foot piece in w	ellFeet
10. USED FOR		Average	Gallons Daily Gallons Daily
_ : . _ :		AMOUNT (Maximum	Gallons Daily
11. QUALITY OF	WATER		es No.
Taste	Odor.	Color	mperature °F
[/] 12. LOG	See other side (Give details on back of a	heet or on separate sheet)	Are samples available? no
		atement	
14. DATA OBTA	INED BY . H.T.S	Stothoff DATE	Dec. 341040



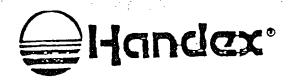
201) \$36-8500 BOX PROFES BUT BOX COMMIN Drive P.D. Box 451, Marganida, New Jersey 07761-04511 (201) \$36-8500

	MUNDEX O	f New Jersey,	, s nc., s cc	Cempus Drivs, I),D. Box 4)	51, MOTEWER, 14	en de m			
BORING I	ΩG									
Well No.		W-1		Permi	it No.	25-33387	-9	Coordinate 1	.VO.	25.32.4.83
Date Dri	lled [December 8,	1988	County	_	Somerset		Use	M	ionitoring
Location	Route	202 and Or	tho Dr	ive, Somer	ville,	New Jerse	У			
Owner	Ortho Pi	narmaceutic	al .	•	Addres	s Rt 202,	P.O.	Box 300, Ra	rita	ın, NJ
Drilling	Method	Air F	otary			Sampling:	Metho	d D	rill	Cuttings
Hole Dia	meter			8"			OT	tal Depth		16'
CASING:	Туре —	PVC Scheo	tule 40)		Diameter	4"	_ Length _		2'
SCREEN:	Туре	PVC Scheo	tule 40) Slot	20	Diameter	4"	Length		14'
Gravel F	Pack Size	e #1 morie	e (Casing Sea	l bent	tonite St	atic	Water Level		
. •										
DEPTH	C.V.E.T.P.	BLOWS PER	tara r			IDE	NTIFI OF	CATION		
BELOW SURFACE	SAMPLE NUMBER	6" ON SAMPLER	WELL DESIGN	4		SC	ILS/F	EMARKS		•
			T	Ben	tonite	seal				
			1	Soi	ld cas:	ing				
			,	#1 1	Morie :	sand pack				
<i>)</i>										
5					NOTE:	Fraincer	from	Ortho Pharm	nacei	utical
					NOIE.	maintaine	athe	Ortho Pharm boring log to Handex o	J. N	ew Jersev
						not avail	mre	W IMAGA	/ <u>_</u>	
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MANDEX OF NEW JERSEY, INC., 800 Campus Drive; P.O. Box 451, Morganville, New Jersey 07761-04511 (201) 836-8500

/						
BORING LOG			•			
Well No.	W-2		Permit No.	25-33388-7	Coordinate N	To. 25.32.4.83
Date Drilled	December 8,	1988	County	Somerset	Use	Monitoring
Location Ro	oute 202 and Ort	tho Drive	, Somerville	, New Jersey		
Owner Orth	o Pharmaceutica	al ·	Addre	ess Rt 202, P.O	. Box 300, Ran	ritan, NJ
Drilling Met	thod Air Ro	otary		Sampling Met	hod Dr	ill Cuttings
Hole Diamete	r		8"	· .	Total Depth	16'
CASING: Typ	e PVC Schedi	ıle 40		Diameter 4	" Length	2'
SCREEN: Typ	pe PVC Schedu	ıle 40	Slot 20	Diameter 4	" Length	14'
Gravel Pack	Size #1 morie	Casi	ng Seal ber	ntonite Stati	c Water Level	
•		<u> </u>				
DEPIH BELOW SAM	BLOWS PER	WELL			FICATION OF	
	IBER SAMPLER I	DESIGN			/REMARKS	··
	1•		- Bentonite			
		\preceq	Soild cas			
		14	#1 Morie	sand pack	٠	
<u> </u>						
5			NOTE	Engineer fro	m Ortho Pharma	aceutical
				maintained t not availabl	m Ortho Pharma he boring log e to Handex of	New Jersey
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HANDEX OF NEW JERSEY, INC., 500 Campus Drive, P.O. Box 451, Morganville, New Jersey 07751-04511 (201) 536-8500 BORING LOG Permit No. Coordinate No. Well No. W-3 25-33389-5 25.32.4.83 Somerset Use Monitoring Date Drilled December 8, 1988 County Location Route 202 and Ortho Drive, Somerville, New Jersey Address Rt 202, P.O. Box 300, Raritan, NJ Ortho Pharmaceutical Owner Drill Outtings Sampling Method Drilling Method Air Rotary 811 Total Depth 16' Hole Diameter PVC Schedule 40 Diameter Length 2′ CASING: Type 14' Diameter Length PVC Schedule 40 Slot 20 SCREEN: Type Casing Seal bentonite Static Water Level Gravel Pack Size #1 morie

	DEPTH	CAMDI E	BLOWS PER 6" ON	WEI	Ţ.	IDENTIFICATION OF SOILS/REMARKS
	BELOW SURFACE	NUMBER	SAMPLER	DESI	ĞN	SOILS/REMARKS
					H	Bentonite seal
		•		←	\sqcup	———Soild casing
				 `		#1 Morie sand pack
					17	
	_					
	5					NOTE: Engineer from Ortho Pharmaceutical maintained the boring log not available to Handex of New Jersey
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I				SCREEN		
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MANDEX OF NEW JERSEY, INC., 800 Campus Drive, P.O. Box 451, Morganistic, New Jersey 07751-04511 (201) 536-8500

MADE OF HER DESCRIPTION			•	
BORING LOG				
Well No. W-4	Permit No.	25-33390-9	Coordinate No.	25.32.4.83
Date Drilled December 8, 19	988 County	Somerset	Use 1	Monitoring
Location Route 202 and Ortho	Drive, Somerville,	New Jersey		
Owner Ortho Pharmaceutical	Address	s Rt 202, P.O.	Box 300, Rarit	an, •NJ
Drilling Method Air Rota	iry ·	Sampling Metho	d Dril	1 Cuttings
Hole Diameter	811	To	tal Depth	16'
CASING: Type PVC Schedule	4 0	Diameter 4"	Length	2'
SCREEN: Type PVC Schedule	e 40 Slot 20	Diameter 4"	Length	14'
Gravel Pack Size #1 morie	Casing Seal bent	onite Static	Water Level	
•				
DEPTH BLOWS PER BELOW SAMPLE 6" ON WE	ELL	IDENTIFI OF		
SURFACE NUMBER SAMPLER DES	SIGN	SOILS/R	EMARKS	
	Bentonite	seal		
	Soild casi	ng		
	#1 Morie s	and pack		
5	NOTE:	Frainser from	Ortho Pharmace	eutical
	NOID.	Engineer from maintained the not available	boring log	lew Jersev
	w	The available	to imack of i	
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STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENT PROTECTION DIVISION OF WATER RESOURCES

25-23315

25.32.484 25.23315 WELL RECORD

, 2 A	APPLICATION NO	·
С	COUNTY	
	rville, N.J.	Feet
(Above mean sea level)	
off Co	, Inc.	
DEPTH	90	Feet
:hes	Length 20	Feet
hes	Length	Feet
et .		
et above	e surface	
_ Gallor	ns per minute	
elow sur	face	
hour	rs pumping	
r min, pe	er ft. of drawdown	
		
	र	
		
	R.P.M	
	Feet	
	SizeInches	
	Gallone Daily	

1.	OWNERFisher ScientificADDRESSRt. 202, Somerville, N.J.	
	Owner's Well No SURFACE ELEVATIONFee [Above mean sea level] [Above mean sea level]	- :t
2.	LOCATION Lot #1 Block #2305 Bridgewater Twp.	
3.	DATE COMPLETED 10-19-82 DRILLER Wm. Stothoff Co., Inc.	_
4.	DIAMETER: Top 10 inches Bottom 6 inches TOTAL DEPTH 90 Fee	t
5.	CASING: Type Steel Diameter 6 Inches Length 20 Feet	t
6.	SCREEN: Type Size of Opening Diameter Inches LengthFeet	t
	Range in Depth Top Feet Geologic Formation Geologic Formation Feet Feet Geologic Formation Feet	-
	Tail Piece: Diameter Inches LengthFeet	
7.	WELL FLOWS NATURALLY Gallons per minute at Feet above surface	
	Water rises to Feet above surface	
8.	RECORD OF TEST: Date Yield Gallons per minute	
)	Static water level before pumping Feet below surface	
)	Pumping level feet below surface after hours pumping	
	Drawdown Feet Specific Capacity Gals, per min, per ft, of drawdown	
	How pumped How measured	_
	Observed effect on nearby wellsUnknown	_
9.	PERMANENT PUMPING EQUIPMENT: Type N/A	_
	Capacity G.P.M. How Driven H.P R.P.M	_
	Depth of Pump in well Feet Depth of Footpiece in well Feet	
	Depth of Air Line in well Feet Type of Meter on Pump SizeInches	
10.	USED FORMonitoring well AMOUNT AMOUNT Average Gallons Daily Maximum Gallons Daily	
11.	QUALITY OF WATER NAME NO.	
	Taste Odor Color Temp °F.	
12.	LOG <u>0-13' overburden13-90' Red shale</u> Are samples available? <u>no</u> (Give details on back of sheet or on separate sheet. If electric log was made, please furnish copy.)	
_	SOURCE OF DATA Wm. Stothoff Co., Inc.	
14.	DATA OBTAINED BY Wm. Stothoff Co., Inc. Date 10-27, 1982	_

STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES

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PERMIT NO.	_25-	23316	<u> </u>
ADDLICATION			

COUNTY_

25.32.484

WELL RECORD

25.2<u>33</u>16

	20.4316
1.	OWNER Fisher Scientific ADDRESS Rt. 202 Somerville, N.J. 08876
	Owner's Well No SURFACE ELEVATIONFeet
	LOCATION LOT #1 Block #2305 Bridgewater Iwp.
3.	DATE COMPLETED 10-18-82 DRILLER Wm. Stothoff Co., Inc.
4.	
5.	CASING: Type Steel Diameter 6 Inches Length 21'6" Feet
6.	SCREEN: Type Size of Opening Diameter Inches LengthFeet
	Range in Depth Tail Riccol Disperse Sectors Sectors
	Tail Piece: Diameter Inches LengthFeet
7.	WELL FLOWS NATURALLY Gallons per minute at Feet above surface
	Water rises to Feet above surface
8.	RECORD OF TEST: Date Yield Gallons per minute
	Static water level before pumping Feet below surface
_	Pumping level feet below surface after hours pumping
	Drawdown Feet Specific Capacity Gals, per min, per ft, of drawdown
	How pumped How measured
	Observed effect on nearby wells
9.	PERMANENT PUMPING EQUIPMENT:
	TypeN/A Mfrs. Name
	Capacity G.P.M. How Driven H.P R.P.M
	Depth of Pump in well Feet Depth of Footpiece in well Feet
	Depth of Air Line in well Feet Type of Meter on Pump SizeInches
0.	USED FOR Monitoring Well AMOUNT AMOUNT AMOUNT Average Gallons Daily Maximum Gallons Daily
1.	QUALITY OF WATER Unknown Sample: Yes No
	Taste Odor Color Temp ºF.
2.	LOG
	(Give details on back of sheet or on separate sheet. If electric log was made, please furnish copy.) SOURCE OF DATA
<i>)</i> . 4	Wm. Stothoff Co., Inc.
••	DATA OBTAINED BY DateDate

25. 32.484

STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCE

29.32.484

WELL RECORD

PERMIT NO.	25-23317	
APPLICATION	NO	
COUNTY		

1.	OWNER Fisher Scientific ADDRESS Rt. 202, Somerville, N.J. 08876
	Owner's Well No.
2.	LOUATION = 2200x 2000 Dilagenatel IND .
3.	DATE COMPLETED 10-19-82 DRILLER Wm. Stothoff Co., Inc.
4.	
5.	CASING: Type <u>steel</u> Diameter 6 Inches Length 21' 6'' Feet
	SCREEN: Type Size of Opening Diameter Inches LengthFeet
	Range in Depth
	Tail Piece: Diameter Inches LengthFeet
7.	WELL FLOWS NATURALLY Gallons per minute at Feet above surface
! ;	Water rises to Feet above surface
8.	RECORD OF TEST: Date Yield Gallons per minute
	Static water level before pumping Feet below surface
	Pumping level feet below surface after hours pumping
	Drawdown Feet Specific Capacity Gals, per min. per ft, of drawdown
	How pumped How measured
	Observed effect on nearby wellsUnknown
9.	PERMANENT PUMPING EQUIPMENT:
	TypeN_A Mfrs. Name
-	Capacity G.P.M. How Driven H.P R.P.M
*	Depth of Pump in well Feet Depth of Footpiece in well Feet
	Size Inches
10.	USED FOR Monitoring Well AMOUNT AMOUNT Average Gallons Daily Gallons Daily
11.	QUALITY OF WATERUnknown Sample: Ver No
	Taste Odor Color Temp 0F.
12. .	LOG <u>0-15' overburden 15-98' Red shale</u> Are samples available? No (Give details on back of sheet or on separate sheet. If electric log was made, please furnish copy.)
	SOURCE OF DATA
14.	DATA OBTAINED BY Wm. Stothoff Co., Inc Date10-27-82

Fc.m DWR-138 11/80

STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES

20.32.48	4
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PERMIT NO. _25-23318

APPLICATION NO. _____ 25.32.484 WELL RECORD COUNTY____ 25 23318 1. OWNER Fisher Scientific ADDRESS Rt. 202, Somerville, N.J. 08876 Owner's Well No. SURFACE ELEVATION ____ (Above mean sea level) Feet 2. LOCATION Lot #1 Block #2305 Bridgewater, N.J. 3. DATE COMPLETED 10-19-82 DRILLER _____ Wm. Stothoff Co., Inc. DIAMETER: Top 10 inches Bottom 6 inches TOTAL DEPTH 105 Feet CASING: Type <u>steel</u> Diameter _____6_ Inches Length 20' 5" Feet 6. SCREEN: Type _____ Size of Opening ____ Diameter ____ Inches Length Feet | Top_____ Feet | Geologic Formation _____ | Bottom ____ Feet | Range in Depth Tail Piece: Diameter _____ Inches Length _____ Feet 7. WELL FLOWS NATURALLY _____ Gallons per minute at _____ Feet above surface _____ Feet above surface Water rises to ______ 8. RECORD OF TEST: Date _____ Yield _____ Gallons per minute Static water level before pumping Feet below surface Pumping level ______ feet below surface after _____ Drawdown _____ Feet Specific Capacity _____ Gals, per min, per ft, of drawdown How pumped ______ How measured _____ Observed effect on nearby wells ______ Unknown 9. PERMANENT PUMPING EQUIPMENT: Type ______ Mfrs. Name _____ ______ G.P.M. How Driven _____ H.P. ____ R.P.M. ____ Depth of Pump in well _____ Feet Depth of Footpiece in well _____ Feet Depth of Air Line in well _____ Feet Type of Meter on Pump ____ Size ____Inches 10. USED FOR ______Monitoring Well Average _____ Gallons Daily Maximum _____ Gallons Daily 11. QUALITY OF WATER ______ Inknown _____ Sample: Yes _____ No ____ Taste ______ Odor _____ Color _____ Temp. ____ of_ 12. LOG 0-8' overburden 8-105' solid red shale Are samples available? NO Give details on back of sheet or on separate sheet. If electric log was made, please furnish copy.) SOURCE OF DATA _____ Wm. Stothoff Co., Inc. 14. DATA OBTAINED BY ____ Wm. Stothoff Co., Inc. _____ Date __10-27, 1982

Form DWR- 138

STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES

75 27 404

PERMIT NO. 25-24056
APPLICATION NO.

)	WELL RECORD COUNTY
1.	OWNERFisher Scientific 25.24056 ADDRESSRt. 202, Somerville, N.J. 08876
2.	Owner's Well No SURFACE ELEVATIONFe LOCATION Lot #1- Block #2305 Bridgewater Twp. Somerset County
3.	DATE COMPLETED 8-26, 1983 DRILLER Wm. Stothoff Co., Inc.
4.	
5.	CASING: Type <u>steel</u> Diameter 6 Inches Length 20 Fe
	SCREEN: Type Size of Opening Diameter Inches LengthFed
	Range in Depth Top Feet Geologic Formation
	Tail Piece: Diameter Inches LengthFeet
7.	WELL FLOWS NATURALLY Gallons per minute at Feet above surface
į	Water rises to Feet above surface
8.	Tierri Gairons per minute
)	Static water level before pumping Feet below surface
	Pumping level feet below surface after hours pumping
	Drawdown Feet Specific Capacity Gals, per min, per ft, of drawdown
	How pumped How measured
	Observed effect on nearby wellsunknown
9.	PERMANENT PUMPING EQUIPMENT:
	Type SNASISIS Mfrs. Name
	Capacity G.P.M. How Driven H.P R.P.M
	Depth of Pump in well Feet Depth of Footpiece in well Feet
	Depth of Air Line in well Feet Type of Meter on Pump SizeInches
0.	USED FOR monitoring well AMOUNT AMOUNT Average Gallons Daily Maximum Gallons Daily
1.	QUALITY OF WATER unknown Sample: Yes No Taste Odor Color Temp of.
	Taste Odor Color Temp of_
2.	LOG Red shale (Give details on back of sheet or on separate sheet. If electric log was made, please furnish copy.)
3.	SOURCE OF DATA Wm. Stothoff Co., Inc.

Date ____9-26, 1983

14. DATA OBTAINED BY _____ Wm. Stothoff Co., Inc.

STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES

1532484 WELL RECORD

PERMIT NO.	25-24057
APPLICATION	INO
COUNTY	

	25.24057	
1.	OWNER Fisher Scientific ADDRESS Rt. 202, Somerville, N.J. 08876	
	Owner's Well No SURFACE ELEVATION FUNCATION Lot: #1, Block #2305 Bridgewater Twp., Somerset County Above mean sea level)	
۷.	LOCATION	
3.	DATE COMPLETED & DRILLER Wm. Stothoff Co., Inc.	
4.	DIAMETER: Top 8 inches Bottom 0 inches TOTAL DEPTH 85 F	eet
5.	CASING: Type <u>steel</u> Diameter <u>6</u> Inches Length <u>20</u> F	eet
6.	SCREEN: Type Size of Opening Diameter Inches Length F	eet
	Range in Depth	
	Tail Piece: Diameter Inches Length Feet	
7.	WELL FLOWS NATURALLY Gallons per minute at Feet above surface	
8 .	Water rises to Feet above surface RECORD OF TEST: Date 9-27-83	
9.		
	TypeN/A Mfrs. Name	
	Capacity G.P.M. How Driven H.P R.P.M	
	Depth of Pump in well Feet Depth of Footpiece in well Feet	
	Depth of Air Line in well Feet Type of Meter on Pump SizeInches	
10.	USED FOR <u>Domestic</u> AMOUNT AMO	
11.	QUALITY OF WATER No Sample: Yes No	
	Taste Odor Color Temp °F.	
12.	LOG Red Shale Are samples available?	
13.	SOURCE OF DATA Nm. Stothoff Co., Inc.	
14.	DATA OBTAINED BY 1/m. Stothoff Co., Inc. Date 9-27-83	

STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES

77 32 484

PERMIT NO. 25-24058
APPLICATION NO.

	WELL RECORD COUNTY
	25.24058
1.	OWNER Fisher Scientific ADDRESS Rt. 202, Someru. le N.J
	Owner's Well No SURFACE ELEVATION Fe
2.	Owner's Well No SURFACE ELEVATION Fe LOCATION Lot# 1- Block# 2305 Bridgewater Twp Somerset Count
ა.	DATE COMPLETED 7-67-65 DRILLER WM STOTHOFF CD: 10X1
4.	DIAMETER: Top 5 inches Bottom 6 inches TOTAL DEPTH 75 Fee
5.	CASING: Type
6.	SCREEN: Type Size of Opening Diameter Inches LengthFee
	Range in Depth Top Feet Geologic Formation
	Tail Piece: Diameter Inches LengthFeet
7.	WELL FLOWS NATURALLY Gallons per minute at Feet above surface
	Water rises to Feet above surface
8.	RECORD OF TEST: Date 9-27-83 Yield 3 Gallons per minute
	Static water level before pumping Feet below surface
	Pumping level feet below surface after hours pumping
	Drawdown Feet Specific Capacity Gals, per min, per ft, of drawdown
	How pumped How measured
	Observed effect on nearby wells
9.	PERMANENT PUMPING EQUIPMENT:
	Type Nfrs. Name
	Capacity G.P.M. How Driven H.P R.P.M
	Depth of Pump in well Feet Depth of Footpiece in well Feet
	Depth of Air Line in well Feet Type of Meter on Pump SizeInches
	·
0.	USED FOR Gallons Daily AMOUNT Average Gallons Daily Maximum Gallons Daily
1.	QUALITY OF WATER UN KNOWN
	QUALITY OF WATER Lanknown Sample: Yes No Odor Color Temp OF.
2.	LOG Temp OF. LOG Are samples available?
\ 3.	SOURCE OF DATA WWW. Stoth OFF CO. INC.
4.	DATA OBTAINED BY WM. STOTACEF CO. INC. Date 10-31-43

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES

Coord: 2532459

2525452 PERMIT NO.

25.32.459

WELL RECORD

25,25A53

APPLICATION NO	
COUNTY	cset

1.	OWNER FISHER SCIENTIFIC ADDRESS RT. 202 Owner's Well No. 10X SURFACE ELEVATION (Above mean sea level) LOCATION LOC: 1 Block: 2305 Municipality: Bridgewater Two	
i	Owner's Well No SURFACE ELEVATION	Feet
2.	LOCATION Lot: 1 Block: 2305 Municipality: Bridgewater Twp.	
3.	10/00/04 Silliam Chathach	
4.	. DIAMETER: Top 6 inches Bottom 6 inches TOTAL DEPTH 250	Feet
5.	. CASING: Type <u>stee1</u> Diameter <u>6</u> Inches Length <u>230</u>	Feet
6.	SCREEN: Type Size of Opening Diameter Inches Length	Feet
	Range in Depth	
	Tail Piece: Diameter Inches LengthFeet	
7.	. WELL FLOWS NATURALLY Gallons per minute at Feet above surface	
	Water rises to Feet above surface	
ه-	RECORD OF TEST: Date11/2/84 Yield Gallons per minute	
	Static water level before pumping Feet below surface	
	Pumping level feet below surface after hours pumping	
	Drawdown Feet Specific Capacity Gals, per min, per ft, of drawdown	
	How pumped How measured	
	Observed effect on nearby wells	
9.	. PERMANENT PUMPING EQUIPMENT:	
	Type Mfrs, Name	<u> </u>
	Capacity G.P.M. How Driven H.P R.P.M	
	Depth of Pump in well Feet Depth of Footpiece in well Feet	
	Depth of Air Line in well Feet Type of Meter on Pump SizeInches	
0.	USED FOR <u>Monitoring</u> AMOUNT AMOUNT AMOUNT AMOUNT AMOUNT Gallons Daily	
11.	QUALITY OF WATER Sample: Yes No	
	Taste Odor Color Temp OF	
2	LOG Are samples available? (Give details on back of sheet or on separate sheet. If electric log was made, please furnish copy.)	
3.	SOURCE OF DATA Wm. Stothoff Co., Inc.	
4.	DATA OBTAINED BY Wm. Stothoff Co., Inc. Date 11/27/84	

STATE OF NEW JERSEY

DEPARTMENT OF ENVIRONMENTAL PROTECTION

DIVISION OF WATER RESOURCES

Coord: 2532459

PERMIT NO. ______2525454

FOR MONTOPING PURPOSES ONLY

28. 32. 459

WELL RECORD

25.25A5A

APPLICATION NO. _____Somerset

1.,	OWNER FISHER SCIENTIFIC	ADDRESS _	RT. 202	· · · · · · · · · · · · · · · · · · ·	
	Owner's Well No. 7 - I	SURFACE EI	LEVATION		Feet
2.	LOCATION Lot: 1 Block: 2305	Municipa	lity: Bridgew	bove mean sea level) ater Twp.	
3.	DATE COMPLETED	LERW	Villiam Stotho	ff	
4.	DIAMETER: Top 6 inches Bottom 6	inches	TOTAL DEPTH_	110	Feet
5.	CASING: Typesteel	Diameter	6 Inches	Length	Feet
	SCREEN: Type Size of Opening				
	Range in Depth Top Feet Bottom Feet	Geologic Forma	ation		
	Tail Piece: Diameter Inches	Length	Feet		_
7.	WELL FLOWS NATURALLY Gallons per minute a	t	Feet above s	urface	!
	Water rises to Feet above su	ırface	·		•
	RECORD OF TEST: Date 10/19/84	Yield_	50 Gallons	per minute	•
	Static water level before pumping		Feet below surfa	ce	
	Pumping level feet below surface after	er	hours	pumping	
	Drawdown Feet Specific Cap	pacity	Gals, per min, per	ft. of drawdown	
	How pumped	Ноw п	neasured		
	Observed effect on nearby wells			·	÷
9.	PERMANENT PUMPING EQUIPMENT:				
	Type Mfrs.	Name	· .	·	<u> </u>
	Capacity G.P.M. How Driven	· ·	н.р	_ R.P.M	<u> </u>
	Depth of Pump in well Feet D	epth of Footpie	ece in well	Feet	
	Depth of Air Line in well Feet Type of i	Meter on Pump		SizeInches	
10.	USED FOR <u>Monitoring</u>				
	QUALITY OF WATER				
	TasteOdor	Color	Tes	- NO	
12	LOG		Are samples available		
. /			furnish copy.)		
	SOURCE OF DATA Somerville Well Drilli				
14.	DATA OBTAINED BY Wm. Stothoff Co., Inc.		Date 11	1/27/84	

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Coord: 2532459

STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES

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	202
PERMIT NO.	

WELL RECORD

APPLICATION NO	
Somerset	
COUNTY	_

	RT. 202 ADDRESS
Owner's Well No. 7 - D	SURFACE ELEVATION Feet
2. LOCATIONLot: 1 Block: 2305	SURFACE ELEVATIONFeet Municipality: Bridgewater Twp:
3. DATE COMPLETED	
4. DIAMETER: Top 6 inches Bottom	6 inches TOTAL DEPTHFeet
5. CASING: Type <u>steel</u>	Diameter 6 Inches Length 170 Feet
	DiameterInches LengthFeet
Range in Depth	Geologic Formation
Tail Piece: Diameter Inches	LengthFeet
7. WELL FLOWS NATURALLY Gallons per minute	at Feet above surface
Water rises to Feet above	surface
RECORD OF TEST: Date10/19/84	Yield 60 Gallons per minute
Static water level before pumping	
Pumping level feet below surface af	
	apacity Gals, per min, per ft, of drawdown
	How measured
9. PERMANENT PUMPING EQUIPMENT:	
	s. Name
·	H.P. R.P.M
	Depth of Footpiece in well Feet
•	f Meter on Pump SizeInches
Type of	Sizeinches
0. USED FOR <u>Monitoring</u>	AMOUNT AMOUNT
1 OHALITY OF WATER	Maximum Gallons Daily
1. QUALITY OF WATER	Sample: Yes No Color
7 LOC	Color Temp °F.
2. LOG	Are samples available? og was made, please furnish copy.)
3. SOURCE OF DATA Somerville Well Dri	lling
4. DATA OBTAINED BY Wm. Stothoff Co.,	

Form DWR- 138 11/80	n costill	กอะฟริ
		VIII)
Opini	1313	DIET

Coord: 2532459 STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES

25.32.459

PERMIT NO.	 2525453
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APPLICATION NO. _____

Somerset WELL RECORD COUNTY_

	VI = = 1.12.01112
	EISPER SCIENTIFIC Pr. 202
1.	OWNER FISHER SCIENTIFIC ADDRESS RT. 202
	Owner's Well No. 7X SURFACE ELEVATION
2.	LOCATIONBIOCK: 2303 Municipality: Bridgewater Twp.
3.	DATE COMPLETED 10/19/84 DRILLER William Stothoff
4.	DIAMETER: Top 6 inches Bottom 6 inches TOTAL DEPTH 230 Fee
5.	CASING: Type steel Diameter Inches Length 230 Fee
6.	SCREEN: Type Size of Opening Diameter Inches LengthFee
	Range in Depth
	Tail Piece: Diameter Inches LengthFeet
7.	WELL FLOWS NATURALLY Gallons per minute at Feet above surface
	Water rises to Feet above surface
	RECORD OF TEST: Date 10/19/84 Yield 60 Gallons per minute
	Static water level before pumping Feet below surface
	Pumping level feet below surface after hours pumping
	Drawdown Feet Specific Capacity Gals, per min, per ft, of drawdown
	How pumped How measured
	Observed effect on nearby wells
9.	
	Type Mfrs. Name
	Capacity G.P.M. How Driven H.P R.P.M
	Depth of Pump in well Feet Depth of Footpiece in well Feet
	Depth of Air Line in well Feet Type of Meter on Pump SizeInches
10.	USED FOR Monitor AMOUNT AMOUNT AMOUNT AMOUNT AMOUNT Gallons Daily
	QUALITY OF WATER Sample: Yes No
	Taste Odor Color Temp °F.
12~	
	(Give details on back of sheet or on separate sheet. If electric log was made, please furnish copy.)
	SOURCE OF DATA Somerville Well Drilling Co., Inc.
14.	DATA OBTAINED BY Wm. Stothoff Co., Inc. Date 11/27/84

11/80	R- 138		STATE OF NEW JE DEPARTMENT OF ENVIRONME DIVISION OF WATER F
	Pin	der Carl	25.32
\ ./			WELL RECO
		FISHER SCIE	25.25

14. DATA OBTAINED BY Wm. Stothoff Co., Inc.

Coord: 2532459

11/27/84

Date _

ERSEY NTAL PROTECTION

RESOURCES

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2525451 . PERMIT NO. _____

APPLICATION NO. ___

		WELL RECORD	COL	JNTY
		25,2545)		
1.	OWNER FISHER SCIENTIFIC	ADDRESS _	RT. 202	
	Owner's Well No. 8X LOCATION Lot: 1 Block	SURFACE E	EVATION	Fer
2.	LOCATION	maniford	rrel . pringewa	COST IMD.
3.	DATE COMPLETED 10/19/84	DRILLERW	illiam Stothof	f .
4.	DIAMETER: Top 6 inches B	ottom 6 inches	TOTAL DEPTH	230 Fee
5.	DIAMETER: Top 6 inches B	Diameter	6 Inches	LengthFee
	SCREEN: Type Size of Open			
	Range in Depth			
	Tail Piece: Diameter Inches			
7.	WELL FLOWS NATURALLY Gallons	per minute at	Feet above su	ırface
	Water rises to			
8.	RECORD OF TEST: Date10/19/8	4Yield_	80 Gallons r	er minute
	Static water level before pumping			
	Pumping level feet below			
	Drawdown Feet	Specific Capacity	Gals, per min, per f	t, of drawdown
	How pumped	How m	easured	
	Observed effect on nearby wells			
9.	PERMANENT PUMPING EQUIPMENT:			
	Туре	Mfrs. Name		
	Capacity G.P.M. How			
	Depth of Pump in well Feet	•	ce in well	
	Depth of Air Line in well Feet	Type of Meter on Pump		SizeInches
10.	USED FOR <u>Monitoring</u>		Average	
11.	QUALITY OF WATER			
	Taste Odor	Color	Ten	0F
12.	LOG Give details on back of sheet or on separate sheet.		Are samples available?	
1	1		furnish copy.)	
W/	SOURCE OF DATA Somerville Wel	T DITITING		

STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES

25.32.484

2	5	•	3	2.	4	8	4

COUNTY____

PERMIT NO. <u>25-24051</u>	
APPLICATION NO.	

WELL RECORD

	120ABEL
1.	OWNER Fisher Scientific ADDRESS Rt. 202, Somerville, N.J. 08876
2.	Owner's Well No SURFACE ELEVATIONFederal Sea Sea Sea Sea Sea Sea Sea Sea Sea Sea
3.	DATE COMPLETED 8-3-83 DRILLER Nm. Stothoff Co. Inc.
4.	DIAMETER: Top 6 inches Bottom 6 inches TOTAL DEPTH 80 Fee
5 .	CASING: Type <u>steel</u> Diameter <u>6</u> Inches Length <u>23</u> Fee
6.	SCREEN: Type Size of Opening Diameter Inches LengthFee
	Range in Depth Top Feet Geologic Formation
	Tail Piece: Diameter Inches Length Feet
7.	WELL FLOWS NATURALLY Gallons per minute at Feet above surface
	Water rises to Feet above surface
8.	RECORD OF TEST: Date Yield Gallons per minute
)	Static water level before pumping Feet below surface
	Pumping level feet below surface after hours pumping
	Drawdown Feet Specific Capacity Gals, per min. per ft. of drawdown
	How pumped How measured
	Observed effect on nearby wellsunknown
9.	PERMANENT PUMPING EQUIPMENT:
	Туре
	Capacity G.P.M. How Driven H.P R.P.M
	Depth of Pump in well Feet Depth of Footpiece in well Feet
	Depth of Air Line in well Feet Type of Meter on Pump SizeInches
0.	USED FOR Monitoring Well #1 AMOUNT AMOUNT Average Gallons Daily Maximum Gallons Daily
1.	QUALITY OF WATER Unknown Sample: Yes No
	Taste
2. ;	LOG _ Red shale
	LOG Red shale (Give details on back of sheet or on separate sheet. If electric log was made, please furnish copy.)
3. 5	SOURCE OF DATA Nm. Stothoff Co., Inc.
4. 1	DATA OBTAINED BY Wm. Stothoff Co., Inc. Date 8-22-83

STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES

25	-32	-484
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ENTAL PROTECTION RESOURCES	PERMIT NO. <u>25=24052</u>
A8A	APPLICATION NO.
OPD	COUNTY

25.32.48A
WELL RECORD
25.24053

1.	OWNER Fisher Scientific ADDRESS Rt. 202, Somerville, N.J. 08876
	Owner's Well No SURFACE ELEVATIONFeet
2.	LOCATIONLot #1- Block #2305, Bridgewater Twp., Somerset County
	DATE COMPLETED DRILLER
4.	DIAMETER: Top 6 inches Bottom 6 inches TOTAL DEPTH 80 Feet
5.	CASING: Typestee1 Diameter _6 Inches Length _20Feet
6.	SCREEN: Type Size of Opening Diameter Inches Length Feet
	Range in Depth
	Tail Piece: DiameterInches LengthFeet
7.	WELL FLOWS NATURALLY Gallons per minute at Feet above surface
	Water rises to Feet above surface
8.	RECORD OF TEST: Date Yield Yield Gallons per minute
	Static water level before pumping Feet below surface
	Pumping level feet below surface after hours pumping
	Drawdown Feet Specific Capacity Gals, per min, per ft, of drawdown
	How pumped How measured
	Observed effect on nearby wellsmknown
9.	PERMANENT PUMPING EQUIPMENT:
	Type N/A Mfrs. Name
	Capacity G.P.M. How Driven H.P R.P.M
	Depth of Pump in well Feet Depth of Footpiece in well Feet
	Depth of Air Line in well Feet Type of Meter on Pump SizeInches
10.	USED FOR Monitoring Well #2 AMOUNT AMOUNT Average Gallons Daily Maximum Gallons Daily
11.	
	QUALITY OF WATER unknown Sample: Yes No X Taste Odor Color Temp. OF.
	LOG Red_shale Are samples available? No Give details on back of sheet or on separate sheet. If electric log was made, please furnish copy.)
	SOURCE OF DATA Wm. Stothoff Co., Inc.
	DATA OBTAINED BY

DWR-138 M



New Jersey Department of Environmental Protection Division of Water Resources

MONITORING WELL RECORD

		Weil	Permit No	25 \$	8228	· ·	
		Allas	Sheet Coord	inates _25	:_32_	:_ 474	_ <u>Ļ</u>
OWNER IDENTIFICATION - Owner _	PICHER SCHOOLS	c -		·		<u>i</u>	
Address	BOUTE 202						_
City	SCHEWILLE		State NJ		Zip Code		_
WELL LOCATION - If not the same as County Somerse +	owner please give addre	iss. Owi	ner's Woll No	muz-	29		
Address		MATTER IN	L		7-1	1-72	1 05
TYPE OF WELL (as per Well Permit Consulting Program Requiring Well CONSULTING FIRM/FIELD SUPERVI	ategories) FECPA		Date w	vell complete	nd <u>2 / 3</u>	28,91	
CONSULTING FIRM/FIELD SUPERVI	SOR (if applicable) E	RM			Tele. #_ (609-520-8	779
WELL CONSTRUCTION		Depth to	Depth to	Dlameter			- <i>'</i> 7
Total depth drilled 75 ft. Well finished to 75 ft.		Top (ft.) [From lan	Bottom (ft.) d surface]	(inches)	Туре	and Material	· .
Borehole diameter:	Inner Casing	0	21	6	Sch	40steel]
Top <u>ID</u> in. Bottom 6 in.	Outer Casing (Not Protective Casing) Screen						
Well was finished: above grade	(Note slot size)					·	1
Ilush mounted	Tail Piece				·		』.
If finished above grade, casing height (stick up) above land	Gravel Pack						
surfaceft.	Annular Seal/Grout	0	21		Type]	E Portland	1
Was steel protective casing installed? Yes No	Pres	Pressure					
Static water level after drilling Non	GEO	GEOLOGIC LOG (Copies of other geologic logs and/or geophysical logs should be attached.)					
Water level was measured using		,	0-5 R	1 51	-10	-]
Well was developed for hou							
Method of development		E	5-564	gray	Shale		
Was permanent pumping equipment in:			12751	- ,			
Pump capacitygpm Pump type:		56	- 13	Neu (ع المالك	•	
Drilling Method Air Rotary Drilling Fluid Air Type	<u> </u>		٠				
Name of Driller Charles Higs	of Rig Schram						
-4-0	Yes No	,					ŀ
Level of Protection used on site (circle o		٠ . ان					
N.J. License No (29 9	ine, Hone Co o b A						
	THORIOTS MALLL						l
certify that I have drilled the above State rules and regulations.	referenced well in acco	ordance with	all well perm	nit requiren	nents and a	ıll applicable	!
Driller's Signa	ture Kody			Da	ite <u>3-</u>	15-91	
COPIES: White of	& Green - DEP Canary	- Driller P	ink - Owner	Goldenrod	- Health Dep	ot.	

For in DWR- 138 11/80

STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES

25-32	.484
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COUNTY_

25	.32.	484
	·	. (0.1

WELL RECORD

PERMIT NO23-24053	
APPLICATION NO.	

	3.3
1	OWNER Fisher Scientific ADDRESS Rt. 202, Somerville, N.J. 08876
	Owner's Well No SURFACE ELEVATIONFee
2.	(Above mean sea level) Lot #1- Block #2305, Bridgewater Twp., Somerset County
3.	DATE COMPLETED8-5-83 DRILLER Wm. Stothoff Co., Inc.
4.	DIAMETER: Top 6 inches Bottom 6 inches TOTAL DEPTH 60
5.	
6.	SCREEN: Type Size of Opening Diameter Inches
	Range in Depth Top Feet
	Tail Piece: Diameter Inches LengthFeet
7.	WELL FLOWS NATURALLY Gallons per minute at Feet above surface
	Water rises to Feet above surface
8.	RECORD OF TEST: Date Yield Yield Gallons per minute
	Static water level before pumping Feet below surface
	Pumping level feet below surface after hours pumping
	Drawdown Feet Specific Capacity Gals, per min, per ft, of drawdown
	How pumped How measured
	Observed effect on nearby wellsunknown
9.	PERMANENT PUMPING EQUIPMENT: Type Mfrs. Name
	Capacity G.P.M. How Driven H.P R.P.M
	Depth of Pump in well Feet Depth of Footpiece in well Feet
	Depth of Air Line in well Feet Type of Meter on Pump
10.	USED FOR <u>Monitoring Well #3</u> AMOUNT Average Gallons Daily Maximum Gallons Daily
11.	QUALITY OF WATER Inknown
	Taste Odor Color Temp of.
12.	LOG Red Shale (Give details on back of sheet or on separate sheet. If electric log was made, please furnish copy.)
	SOURCE OF DATA Wm. Stothoff Co., Inc.
14.	DATA OBTAINED BY Wm. Stothoff Co., Inc. Date 8-8-83

STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES

25-72-484

25.32.484

WFI	DE	co	DN

PERMIT NO.	25-24054
APPLICATION	N NO

COUNTY____

	25,2405A
1.	OWNERFisher Scientific ADDRESSRt. 202
	Owner's Well No SURFACE ELEVATIONFee (Above mean sea level)
2.	LOCATION Lot #1- Block #2305, Bridgewater Twp., Somerset County
3.	DATE COMPLETED 8-8-83 DRILLER Wm. Stothoff Co., Inc.
4.	DIAMETER: Top 6 inches Bottom 6 inches TOTAL DEPTH 85 Fee
5.	CASING: Type <u>steel</u> Diameter <u>6</u> Inches Length <u>20</u> Fee
	SCREEN: Type Size of Opening Diameter Inches Length Fee
	Range in Depth
	Tail Piece: Diameter Inches LengthFeet
7.	WELL FLOWS NATURALLY Gallons per minute at Feet above surface
	Water rises to Feet above surface
8.	RECORD OF TEST: Date YieldYield Gallons per minute
)	Static water level before pumping Feet below surface
	Pumping level feet below surface after hours pumping
	Drawdown Feet Specific Capacity Gals, per min, per ft, of drawdown
	Drawdown Feet Specific Capacity Gals, per min, per ft, of drawdown How pumped How measured
9.	How pumped How measured
9.	How pumped
·	How pumped How measured
10.	How pumped
10.	How pumped
10. 11.	How pumped
10. 11.	How pumped

COUNTY__

Form DWR- 138 11/80

STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES

25.32.484

PERMIT NO25-24055	
APPLICATION NO.	· —-

WELL	HE	C	UF	<u>KD</u>	
25	9	Δ	D	9	c

	25.2A055
1	OWNER Fisher Scientific ADDRESS Rt. 202, Somerville, N.J. 08876
	Owner's Well No SURFACE ELEVATION For
2.	Owner's Well No SURFACE ELEVATIONFe LOCATION Lot #1- Bloxk #2305, Bridgewatter Twp., Somerset CountyFe
3.	DATE COMPLETED 8-9-83 DRILLER Wm. Stothoff Co., Inc.
4.	DIAMETER: Top 6 inches Bottom 6 inches TOTAL DEPTH 80
5.	
6.	SCREEN: Type Size of Opening Diameter Inches LengthFe
	Range in Depth
	Tail Piece: Diameter Inches LengthFeet
7.	WELL FLOWS NATURALLY Gallons per minute at Feet above surface
	Water rises to Feet above surface
8.	RECORD OF TEST: Date Yield Gallons per minute
	Static water level before pumping Feet below surface
	Pumping level feet below surface after hours pumping
	Drawdown Feet Specific Capacity Gals, per min, per ft, of drawdown
	How pumped How measured
	Observed effect on nearby wellsunknown
9.	PERMANENT PUMPING EQUIPMENT:
	Type
_	Capacity G.P.M. How Driven H.P R.P.M
	Depth of Pump in well Feet Depth of Footpiece in well Feet
	Depth of Air Line in well Feet Type of Meter on Pump SizeInches
	USED FOR Monitoring Well #5 AMOUNT { Average Gallons Daily
11.	QUALITY OF WATER Unknown
	QUALITY OF WATER Unknown Sample: Yes No Taste Odor Color Temp OF.
12.	LOG Red Shale [Give details on back of sheet or on separate sheet. If electric log was made, please furnish copy.] Are samples available? NO
<u>ુ</u> કે.	SOURCE OF DATA _ Wm. Stothoff Co., Inc.
14.	DATA OBTAINED BY Wm. Stothoff Co., Inc Date8-22-83



DWR-138 M 6/89



New Jersey Department of Environmental Protection Division of Water Resources

MONITORING WELL RECORD

ALEMANN Y	
7	
(

Date 3-15-91

		We	Permit No	_25	38229
		Atta	as Sheet Coord	dinates _2	5_:_32_:_475
OWNER IDENTIFICATION - Owner _ Address	FISHER SCHOOTER	IC			
	HOUTK 202				
City	SOMERVILLE		State NJ		Zip Code
WELL LOCATION If not the course					
WELL LOCATION - If not the same as	owner please give addre	ess. Ov	ner's Well No.	VE	<u>-13 </u>
Address Address	Municipality;	IRMATURE TE	210	_ Lot No	Block No
County <u>Somerset</u> Address				· · · · · ·	1-7 I-7230
TYPE OF WELL (as per Well Permit C	ategories)				ed 316191
Regulatory Program Requiring Well	recovery		Coool	О 4	
CONSULTING FIRM/FIELD SUPERVI	SOR (if applicable)	Rm		8	9997
WELL CONCEDUCTION					Tele. # <u>\&CG-520-877</u>
WELL CONSTRUCTION		Depth to	Depth to	Diameter	
Total depth drilledft_		Top (ft.)	Bottom (ft.)	(inches)	1
Well finished toQOft.		[From la	nd surface]		
Borehole diameter:	Inner Casing	0	5	4	Sch 40 steel
Top <u> </u>	Outer Casing				VEN 10 311E1
Bottomin.	(Not Protective Casing)				
ell was finished. X above grade	Screen (Note slot size)	5	20	4	, c165/of 5.5.
flush mounted	Tail Piece			•	(C[03/0] 3.3.
f finished above grade, casing	Gravel Pack	5	20		#1 (500000)
neight (stick up) above land	Annular Seal/Grout		~_		1 616061
surface <u>2</u> ft.		_0	5		Type I
Was steel protective casing installed? Yes No	Method of Grouting	Pr	-e ss (ct	e	
Static water level after drilling5		050		(Copies	of other geologic logs and/or
		GEC	LOGIC LOG	geophy	sical logs should be attached.)
Vater level was measured usingi	177.		201	0.1	Shale
Vell was developed for NA hour		10) - 20	VACI	shale
lethod of development NIA					• 10 March
Vas permanent pumping equipment ins	talled? LYes 🔀 No	ļ			
ump capacitygpm					
ump type:	· · · · · · · · · · · · · · · · · · ·				
rilling Method Air Retury	ai				• •
	of Rig_Schram				
ame of Driller Charles	Higgins				j
· · · · · · · · · · · · · · · · · · ·	Yes No				
evel of Protection used on site (circle on	e) None(D) C B A			•	
J. License No. <u>1.7</u> 9 9					
me of Drilling Company WII	LIAM STOTHOFF	L			
certify that I have drilled the above-i tate rules and regulations.	referenced well in acco	rdance with	all well perm	it requirem	ents and all applicable

Driller's Signature

DWR-138 M 6/89



Driller's Signature

New Jersey Department of Environmental Protection Division of Water Resources

MONITORING WELL RECORD

6

Date 3-15-91

		V A	Vell Permit No	25	38230	
OWNER IDENTIFICATION - Owner_ Address				omates _2	5:_32:_475	
Address	FISHER SCHOOLIFI	c				
City			CA-A- NIT	-		
			_ State NJ		Zip Code	
WELL LOCATION - If not the same as	s owner please give addre	ess. (Dwner's Well No	. VE	- 14	
County <u>Somerset</u> Address	Municipality			Lot No.	Block No.	
Address	BRIDG	EMATER '	IWP		I-7	7230
TYPE OF WELL (as per Well Permit C			Date	well complet	ed 3 / 5 / 91	
Regulatory Program Requiring Well	recovery ECRA		Case I	ID #		
CONSULTING FIRM/FIELD SUPERV	ISOR (if applicable)	Rm		89	997	·
WELL CONSTRUCTION	· · · · · · · · · · · · · · · · · · ·				1ele.# <u>609-520-8</u>	5/7
· -		Depth to	•	Diameter	,	$\neg \neg$
Total depth drilled 25 ft.		Top (ft.)	· ,	(inches)	Type and Material	ı
Well finished to Cft.	- I O :		land surface]			
Borehole diameter:	Inner Casing	0	5	1 4	Sch 40 stee	<u>.</u> /
Top <u>8</u> in.	Outer Casing (Not Protective Casing)					
Bottomin.	Screen	<i>~</i>	+			
Il was finished: Above grade	(Note slot size)	5	20	4	.010 S.S.	
I flush mounted	Tail Piece					
If finished above grade, casing	Gravel Pack	5	20		A Comment	一
height (stick up) above land surfaceft.	Annular Seal/Grout	0	5		# Grave 1 Type I	\dashv
· 				LJ	TypeI	
Was steel protective casing installed?	Method of Grouting	Pr	essure	,		
		-		(Conies	s of other geologic logs and/	
Static water level after drilling5 Vater level was measured usingM		اع	EOLOGIC LOG	geophy	sical logs should be attached	ed.)
Vell was developed for	-scope		0-4	Rad	Cl. la	\neg
Method of development NA	rs atgpm		-	-	· · · · · · · · · · · · · · · · · · ·	
•			4-5	Gray	shale.	
Vas permanent pumping equipment insump capacitygpm	stalled? Yes X No		4-5 5-20	, , , , , , , , , , , , , , , , , , ,	cill	
ump type:gpm	,	-	5-20	Kea	Share	-
rilling Method Ain Cotory						
A						- [
ame of Driller Charles	of Rig Schran					
ealth and Safety Plan submitted?						
evel of Protection used on site (circle or			•	•		
J. License No 1 > 9 9	NOTE UDO B A					
	LIAM STOTHOFF					
)						لــ
certify that I have drilled the above- rate rules and regulations.	referenced well in acco	rdance wit	th all well perm	nit requirem	ents and all applicable	

DWR-138 M -6/89 ~



me of Drilling Company WILLIAM STOTHOFF

New Jersey Department of Environmental Protection Division of Water Resources

MONITOR

	MONITOR	ING WEL	L RECOR	D	7	
•	· ·	Atla	Permit No s Sheet Coord	25 linates2	3823 <u>1 </u>	_[
OWNER IDENTIFICATION - Owner _ Address	MT104C-2012	C				_
City	SOMERVILLE		State NJ		Zip Code	-
WELL LOCATION - If not the same as County	owner please give addre	ess Ow	nar's Wall Na	1/= 1	_	
TYPE OF WELL (as per Well Permit Consulting Program Requiring Well	recovery		Case I	D. #	ed <u>3 / 5 / 9/</u> 9997 Tele. # <u>6</u> 09-52-0-877	- 9
WELL CONSTRUCTION Total depth drilled 30 ft. Well finished to 20 ft.		Depth to Top (ft.) [From lar	Depth to Bottom (ft.) ad surface]	Diameter (inches)		
Borehole diameter:	Inner Casing	D	5	4	Sch 40 steel	4
Top $\frac{7}{8}$ in.	Outer Casing (Not Protective Casing)				37(47	
ell was finished: above grade	Screen (Note slot size)	5	20	4	.010 5.5,	1
flush mounted	Tail Piece					
If finished above grade, casing	Gravel Pack	5	20		# 1 Grave /	1
height (stick up) above land surfaceft.	Annular Seal/Grout	0	5		TypoI	
Was steel protective casing installed? Yes No	Method of Grouting	Pres	ssure		// S	
Static water level after drilling	<u>4ft.</u>	GEC	LOGIC LOG	(Copies	s of other geologic logs and/or sical logs should be attached.)	
Water level was measured using in Well was developed for N/A hour Method of development N/A		C) - 30		Shale	
Was permanent pumping equipment ins	stalled? Yes No		•		·	
Pump capacitygpm						
Pump type: - Drilling Method Air Retury Drilling Fluid Air Type	of Rig Schram					
Name of Driller Charles Higgil Health and Safety Plan submitted?	<u>s</u>					
Level of Protection used on site (circle or $N_{c}J$. License No. 1299	ne) None (D) C`B A					

		• '	
certify that I have drilled the above-reference	ed well in accordance v	vith all well permit	requirements and all applicable
State rules and regulations.			,,

Driller's Signature

Data 7-15-91

2 May 87

; DEPARTMENT OF ENVIRONMENTAL PROTECTION

25 .32 . 48A 25 .2063 c Well record

Permit No. 25- 206	36
Application No	
County25-20636	
Somerset	
25.22.484	

i.	OWNER Jerome F. Spitzer ADDRESS 95 Oak Street, Bridgewater, NJ 0880
	Owner's Well No Feet (Abore pean see level)
2.	LOCATION Lot 18-19, Block 2207, Duval Street, Bradley Gardens, Somerset
3.	DATE COMPLETED 6/7/79 DRILLER Somerville Well Drilling Co., Inc.
4.	DIAMETER: top 10 Inches Bottom 6 Inches TOTAL DEPTH 195 Feet
5.	CASING: Type <u>drive</u> Diameter 6 Inches Length 60 Feet
6.	SCREEN: Type Size of Opening Diameter Inches LengthFeet
	Range in Depth { TopFeet Geologic Formation
	Tail piece: DiameterInches LengthFeet
7.	WELL FLOWS NATURALLY Gallons per Hinute at Feet above surface
	Water rises toFeet above surface
8.	RECORD OF TEST: Date 6/7/79 Yield 15 Gallons per minute
	Static water level before pumping Feet below surface
	Pumping level 170 feet below surface after 8 hours pumping
	Drawdown 105 Feet Specific Capacity 2 Gals. per min. per ft. of drawdown
	How Pumped <u>air</u> How measured <u>Weir</u>
	Observed effect on nearby wells
9.	PERMANENT PUMPING EQUIPMENT:
	Type Hfrs. Name
	Capacity G.P.H. How Driven H.P R.P.M
	Depth of Pump in wellFeet Depth of Footpiece in wellFeet
	Depth of Air Line in wellFeet Type of Meter on Pump SizeInches
10.	. USED FORGallons Daily AMOUNT { AverageGallons Daily MaximumGallons Daily
71.	
	Taste none Odor none Color clear Temp.
12.	LOG overburden & shale to depth Are samples available? no (Of va details on back of sheet or on separate sheet. If electric log was made, please fulential copy)
	Source or nata Somerville Well Drilling Co., Icn.

STATE OF NEW JERSEY DEFARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES

25.32.484 WELL RECORD

Coord _2	5.32.4.84					
Permit No	. 25-31129-8					
Application No.						
County _	Somerset					

) ₁ .	OWNERRaritan Assoc.		25.3\\29 ADDRESS Bldg. # 2 Jo	hoson Dr., Raritan	. NJ	
	Owner's Well No		SURFACE ELEVATION			
2.						
3.			DRILLER <u>Summit Dr</u> i	illing Co., Inc.	*	
4.		Bottoa _	6 inches	TOTAL DEPTH	80	f:
5.	CASING: Type <u>Steel</u>	Diageter	6 inches	Length	57	fe
6.	SCREEN: Type <u>Open Hole</u>	Size of Opening	Diameter	6 inches	Length	to_80f:
	Range in Depth: Top					
	Bottom	feet	Geologic Formation	Shale		
	Tail Piece: Diameter _					
7.	-					
	Water rises to					1
8.	RECORD OF TEST: Date N/A	·	Yield3	Gallons p	er ainute	
	Static water level before pumpi		•			
	Pumping level					
	Drawdown					
	How pumped With rig					
	Observed effect on nearby wells					
9.		r N/A				
	Туре	· · · · ·	Mfrs. Name		.	
	Capacity6					
	Depth of Pump in well	feet		Footpiece in well		
	Depth of Air Line in well	feet Ty				inct
10.	- USED FOR Monitor			Average		_ Gallons Da:
<u>_ 11.</u>	QUALITY OF WATER			Maximum		
				Sample: Yes		
17	155	Odor			Temp	
4-1	FOR KITATING			. Are samples	available?	

13. SOURCE OF DATA Summit Drilling Co., Inc.

25,32.484 SUMMIT DRILLING COMPANY, INC.

	489 Union Aven	ue Bridge	water, NJ	08807 Tel. (201) 722-426	6 / 356-2700		
***************************************	•					- · · · · · · · · · · · · · · · · · · ·	 .	
BORING LOS				•			25.3	32.48
Well No. Date Drilled	MW-1	F	Application	No		Permit No	253112	19
Date Drilled	3/2/88	County _		Somerset	Use	Monito)r	
	PAR T TOURNSON	nie varirane	ניזו					
Owner Raritan	Assoc.		Address	Same				 .
Drilling Method	Air Rotary			Sampling Me	thod N/A			
note higheret Ti	0" top - 6" bi	sttom			Total D	epth 8	0'	
Easing:	•							· · · · · · · · · · · · · · · · · · ·
Type	6" Steel	Diar	neter	6"	Length	37'		
ocreen:	-					•		
Type Gravel Pack Size	Open hole		Slot	Diameter _	6 *	_Lengtht	o 80°	
Gravel Pack Size	N/A			Casing Seal	Portland	i, Grout		
Static Water Level	l 50'			Geologic For	mation	Red Shale		
		·				•		
: Depth :		īl17	1					
: Below : Sample :		4011	1 6° cas:	ing w/ 2'	Identifi	ation		
Surface Number	on Sampler :	Design		e lock		Remarks		
! !	l		10' - 35	,	0' - 2'	itemet Ku		
!			:Portlan	d Grout	·	Red Brn. cla		. end chal
! !			12' - 35			frags.	lel sitt &	. 1 EN .3110]
			!		2' - 80'	ii aysi	-	
					T - 0A	Red Shale		
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<u>'</u>	<u> </u>		16 " Stee	er Libe				
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!!			135' - 80	ı ' .				•
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40' ;						•		
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STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES

25.32, APA WELL RECORD

Coord <u>25</u> ,	.32.4.84
Permit No.	25-31130-1
Apolication	e No.
County	Somerset

	1.	OWKER <u>Paritan Assec.</u>		25-31130-1 400RESS Bido. # 2 Jo	aasaa Br Rarit	an. M3	
	•	Owner's Well No. MW-2					
	- 2.	LOCATION Same					
	3.	DATE COMPLETED 03/03/88					
	4,	DIAMETER: Too 10 inches	•				
	ı,	CASING: Type : Steel			•		
		SCREEN: Type <u>Open Hole</u>					
		Range in Depth: Top					
		Botton	feet	Geologic Formation	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	
		Tail Piece: Diameter _					
	7.	MELL FLOWS NATURALLY	Sailons der mi	nuțe at	feet at	ove surface	
	,	Water rises to		et above surface	<u>.</u>		
		RECORD OF TEST: Data N/A			Fallons	i per ainute	
		Static water level before pumpi	ng <u>45</u>		feet below	surface	
		Pumping lavel	feet be	low surface after		_ hours pueping	
		Огановно	_feat Spec	ific Capacity	Sallons o	er minuta per d	cot of drawdex
		How pumped With rig		Ноч п	easured		
	·	Observed effect on nearby wells	-				
	9.	PERMANENT PUMPING EQUIPMENT:				•	
		Type		Mfrs. Name		•	
		Capacity	5.P.M. How	v Driven	#.P		8.8.#
		Deoth of Pump in well			Footoiece in wei		
		Death of Air Line in well	faet iy	os of Keter on Pump	 	S126	iach
	10.	USED FOR <u>Monitor</u>		AXOUNT:	Averaça Maximum		Sallons Da: Ballons Da:
)	11	QUALITY OF WATER		<u> </u>	Samole: Y	95	No
		Taste	Jáar	Caler		Teas.	
	12.	LOS <u>Acteoned</u>			_ Ara samo	ies available?	

17 GAMARA AR ASTS — Resait Artilles Te Car

25.32.484

489 Union Avenue Bridgewater, NJ 08807 Tel. (201) 722-4266 / 356-2700 25.32.484 BORING LOG
 Well No.
 MW-2
 Application No.

 Date Drilled
 3/3/88
 County
 Somerset
 Use

 Location
 Bldg, # 2, Johnson Dr., Raritan, NJ
 Permit No. <u>2531130</u> Monitor Owner Raritan Assoc. Address Same Drilling Method <u>Air Rotary</u> Sampling Method <u>N/A</u> Hole Diameter 10" top - 6" bottom Total Depth 60' Casing: Type 6" Steel Diameter 6" Length 21' Screen: Type <u>Open hole</u> Slot <u>Diameter</u> 6" <u>Length</u> to 60'

Sravel Pack Size <u>N/A</u> <u>Casing Seal</u> <u>Portland, Grout</u> Static Water Level _____ Geologic Formation _____ Shale | Depth | : Below : Sample : Blows per 6" : Well 1 10° watertight Identification Identification of Soils / Remarks l manhole w/ lock |Surface: Number | on Sampler | Design 10' - 21' 0' - 1' Concrete and gravel, fill 1' - 60' Red shale Portland Grout 10' - 2' 16" Steel Pipe 1212 - 603 16° Open Hole 40° 📞

STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES

Coord <u>25</u>	25.32.4.84			
Permit No.	25-31131-0			
Applicatio	a No.			
County	Somerest			

35	પ્સુશ્ચ,	484
	RECORD	,,,,

)	i.	OWNER <u>Aarlean Assoc.</u>		25.31131-0 _ \$DDRESS <u>Blog. # 2 Joi</u>	noson Dr Karita	<u>,</u> 40	
		ūwner's Well vo. <u>8₩-3</u>		SURFACE ELEVATION			
		LOCATIONSage					
		DATE COMPLETED03/03/88					
		DIAMETER: Top <u>10</u> inches					
	5.						
	6.	SCREEN: Type <u>Open Hole</u>					
		Range in Depth: Top					
		Bottom	feet	Geologic Formation	Shale		
		Tail Piece: Diameter					
	7.	WELL FLOWS NATURALLY 8/8					·
		Water rises to					
)	3.	RECORD OF TEST: Date N/A		Yield1	Sallons	per minute	
)		Static water level before compin					
		Pumping level					O
		Огамбомп		•			
		How outseed					
		Observed effect on nearby wells					
	9,	PERMANENT PUMPING EQUIPMENT:					
		Typs		Mfrs. Name		•	
		Sepacity5					
		Besta of Pump in well	•	-	ootoiece in well		
		Decth of Air Line in Well	feet Ty				
	10.	UGED FOR Monitor			éverage		
					Maximum		Salions Dail
		QUALITY OF WATER					No
		Tasta	3der	Coior			degrees =
	12.	.03 <u>Attaches</u>			Are semple	s avellacie?	
	17.	SOURCE OF DATA Summit Drilling	Ωο 15π.				

489 Union Avenue <u>Bridnewater</u>, NJ 08807 <u>Tel. (201) 722-4266 / 356-2700</u> 25,32,484 BORING LOG ___ Application No. ____ Well No. MH-3 Permit No. <u>2531</u>131 Date Drilled 3/3/88 County Somerset Use Monitor Location Bldo. # 2, Johnson Dr., Raritan, NJ Owner Raritan Assoc. Address Same Drilling Method Air Rotary Sampling Method N/A
Hole Diameter 10" top - 6" bottom Total Depth 80' Casing: Type <u>6° Steel</u> Diameter <u>6°</u> Length <u>20'</u> Screen: Type <u>Open hole</u> Slot <u>Diameter</u> Length to 80' Gravel Pack Size N/A Casing Seal Portland, Grout Static Water Level 45' Geologic Formation Shale : Depth : : Below : Sample : Blows per 6" : Design C 1 6" Casing w/ 2" Identification |Surface: Number | on Samoler | | l stickus & lock of Soils / Remarks 0' - 3' Sod-Top soil & fill 12' - 18' 3' - 80' Red shale 16" Steel Pipe 118' - 80' 16° Open Hole 40' 60%

FORM 87

DEPARTMENT OF CONSERVATION
AND ECONOMIC DEVELOPMENT
DIVISION OF WATER POLICY & SUPPLY

Permit No. 25-68-66
Application No.
County

WELL RECORD 25.38.A34 25.6866 1. OWNER T.G.O.S.T.K.A. OUNDER'S WEIL NO. 25-6866 OUNDER'S WEIL NO. 25-6866 SURFACE ELEVATION (Above sim section) CHORLETED JULY 19-1957 DRILLER A.J. BAUMEISTER + SON 4. DIAMETER: top le Inches Botton le Inches TOTAL DEPTH 203 Feet 5. CASING: Type BLACK Diameter Inches Length Feet 6. SCREEN: Type Size of Dening Diameter Inches Length Feet Range Top Feet Geologic Formation RED SCHALE 7. WELL FLOWS NATURALLY Gallons per Minste at Feet above surface Nater rises to Feet above surface 8. RECORD OF TEST: Date JULY 17 INCAINED Static water level before pumping Feet below surface static water level before pumping Feet Mours pumping Drawdown LOS Feet Specific Capacity A. Gals. per min. per ft. of drawdown Mow Pumped BAILON Observed effect on nearby vells NONE 9. PERMANENT PUMPING EQUIPMENT: Type MFrs. Name Capacity G.P.M. Now Driven H.P. R.P.M. Depth of Pump in well Feet Depth of Footpiece in well Feet Depth of Air Line in well Feet Depth of Heter on Pump 10. USED FOR AMOUNT Average Gallons Daily 11. OUALITY OF WATER Sample: Yes No. Taste Odor Color Temp. Of Color Are samples available Footpiece of Samples available Footpiece of Samples Samples Samples Available Footpiece of Samples		DIVISION OF WATER	POLICY & SUPPLY	County	
Owner's Well No. 25 6000 SURFACE ELEVATION (Above seem see 2 level) 2. LOCATION CHORILOTTE DR 3. DATE COMPLETED TOLY 17 - 1957 DRILLER A.J. BAUMEISTER & SON 4. DIAMETER: top 6 Inches Botton 1 Inches TOTAL DEPTH 203 Feet 5. CASING: Type BLACK Diameter Inches Length Feet 6. SCREEN: Type Opening Diameter Inches Length Feet 7. WELL FLOWS NATURALLY Gallons per Ninote at Feet Bottom Feet 7. WELL FLOWS NATURALLY Gallons per Ninote at Feet above surface 8. RECORD OF TEST: Date July 17 - 1857 field Static water level before pumping 1 95 Feet below surface 9. Peet below surface after hours pumping Drawdown 105 Feet Specific Capacity 18 Galls per min. per ft. of drawdown How pumped BAILOK How measured PRINING LINE Observed effect on nearby wells NONE 9. PERMANENT PUMPING EQUIPMENT: Type Hers. Name Capacity G.P.N. How Driven H.P. R.P.N. Depth of Pump in well Feet Depth of Neter on Pump 10. USED FOR AMOUNT Average Gallons Daily Waximum Gallons Daily 11. QUALITY OF WATER Sample: Yes No. Taste Odor Color Temp. Taste Odor Color Temp. OF 12. LOG Catalia comp Dails of these or appraise should be served.				25. C&CC	
Owner's Well No. 25 6000 SURFACE ELEVATION (Above and rest level) LOCATION CHORILOTTE DR 3. DATE COMPLETED TOLY 17- 1957 DRILLER AJ. BAUMEISTER & SOIV 4. DIAMETER: top 6 Inches Botton 6 Inches TOTAL DEPTH 203 Feet 5. CASING: Type BLACK Diameter 1 Inches Length Feet 6. SCREEN: Type Size of Opening Diameter Inches Length Feet Range Top Feet Geologic Formation RED SCHALE 7. WELL FLOWS NATURALLY Gallons per Minote at Feet above surface 8. RECORD OF TEST: Date JULY 17 185 field Ballons per minute Static water level before pumping 195 Feet below surface Pumping level 166 Feet Specific Capacity Ballons per min. per ft. of drawdown How Pumped Pailok How measured PRINING LINE Observed effect on nearby wells NONE 9. PERMANENT PUMPING EQUIPMENT: Type Hers. Name Capacity G.P.M. How Driven H.P. R.P.H. Depth of Pump in well Feet Depth of Footpiece in well Feet Depth of Air Line in well Feet Depth of Meter on Pump 10. USED FOR AMOUNT Average Gallons Daily Maximum Gallons Daily 11. QUALITY OF WATER Sample: Yes No. Taste Odor Color Temp. Taste Odor Sample: Yes No.	1.	OWNER T. CO.S.ZKA.	ADDRESS 4 P.F.D	, SOMERVILLE N.	√.
2. LOCATION CHORILOTTE DR 3. DATE COMPLETED TOLY 17- 1957 DRILLER AS BAUMEISTER & SOW 4. DIAMETER: top 6 Inches Botton 6 Inches TOTAL DEPTH 203 Feet 5. CASING: Type 8 LACK Diameter 1 Inches Length Feet 6. SCREEN: Type 5 Size of Depening Diameter Inches Length Feet Range Top Feet Geologic Formation RED SCHALE 7. WELL FLOWS NATURALLY Gallons per Hinste at Feet above surface 8. RECORD OF TEST: Date Toly 17-18 field Gallons per minute 8. RECORD OF TEST: Date Toly 17-18 field Gallons per minute 8. Static water level before pumping Feet below surface after hours pumping 9. Drawdown 106 Feet Specific Capacity 18 Gals. per min. per ft. of drawdown How Pumped Bailók How measured PRINI'NG LINE 9. PERMANENT PUMPING EQUIPMENT: Type Hers. Name Capacity G.P.M. How Driven H.P. R.P.H. Depth of Pump in well Feet Depth of Footpiece in well Feet Depth of Air Line in vell Feet Depth of Neter on Pump 10. USED FOR AMOUNT Average Gallons Daily Haximum Gallons Daily 11. QUALITY OF WATER Sample: Yes No. Taste Odor Color Temp. Taste Odor Color Temp. Taste Odor Color Temp. 12. LOG Color Temp. 13. SOURCE OF DATA		Owner's Well No. 25- 6866	SURFACE ELEVATION	/83 Feet	
4. DIAMETER: top 6 Inches Botton 6 Inches TOTAL DEPTH 203 Feet 5. CASING: Type 8 ACK Diameter Inches Length Feet 6. SCREEN: Type Opening Diameter Inches Length Feet Range Top Feet Geologic Formation AFD SCHALE Range Bottom Feet Tail piece. Diameter Inches Length Feet 7. WELL FLOWS NATURALLY Gallons per Minute at Feet above surface Water rises to Feet above surface 8. RECORD OF TEST: Date 10 117 185 field Gallons per minute at Static water level before pumping	2.			(Above mean sea level)	
4. DIAMETER: top 6 Inches Botton 6 Inches TOTAL DEPTH 203 Feet 5. CASING: Type 8 ACK Diameter Inches Length Feet 6. SCREEN: Type Opening Diameter Inches Length Feet Range Top Feet Geologic Formation AFD SCHALE Range Bottom Feet Tail piece. Diameter Inches Length Feet 7. WELL FLOWS NATURALLY Gallons per Minute at Feet above surface Water rises to Feet above surface 8. RECORD OF TEST: Date 10 117 185 field Gallons per minute at Static water level before pumping	3.	DATE COMPLETED TULY 17- 1957 DRILL	ER AJ. BAUM	EISTER + SON	
5. CASING: Type Size of Opening Diameter Inches Length Feet C. SCREEN: Type Opening Diameter Inches Length Feet Range Top Feet Geologic Formation RED SCHALE Range Bottom Feet Geologic Formation RED SCHALE Tail piece. Diameter Inches Length Feet Tail piece. Diameter Inches Length Feet 7. WELL FLOWS NATURALLY Gallons per Hinute at Feet above surface Water rises to Feet above surface 8. RECORD OF TEST: Date JU 19 19 19 19 19 19 19 19 19 19 19 19 19	4.	DIAMETER: top 6 Inches Botton &	Inches TOTA	1 DEPTH 203	1
Range Bottom Feet Geologic Formation AFD SCHAFE Bottom Feet Tail piece. Diameter Inches Length Feet 7. WELL FLOWS NATURALLY Gallons per Minute at Feet above surface Nater rises to Feet above surface 8. RECORD OF TEST: Date Toly 117-185 field Gallons per minute with Static water level before pumping Feet below surface after hours pumping Drawdown Feet Specific Capacity Gals. per min. per ft. of drawdown How Pumped BAILOK How measured PRINTING LINE 9. PERMANENT PUMPING EQUIPMENT: Type Mfrs. Name Capacity G.P.M. How Driven H.P. R.P.H. Depth of Pump in well Feet Depth of Footpiece in well Feet Depth of Air Line in well Feet Depth of Neter on Pump 10. USED FOR AMOUNT Average Gallons Daily Maximum Gallons Daily 11. QUALITY OF WATER Sample: Yes No. Taste Odor Color Temp. OF 12. LOG Give desirie on beach of short or on apparate short. If electric log was gade, places 13. SOURCE OF DATA	5.	CASING: Type BLACK Di	ameter & Inche	s length - Feet	E
Range Bottom Feet Geologic Formation AFD SCHAFE Bottom Feet Tail piece. Diameter Inches Length Feet 7. WELL FLOWS NATURALLY Gallons per Minute at Feet above surface Nater rises to Feet above surface 8. RECORD OF TEST: Date Toly 117-185 field Gallons per minute with Static water level before pumping Feet below surface after hours pumping Drawdown Feet Specific Capacity Gals. per min. per ft. of drawdown How Pumped BAILOK How measured PRINTING LINE 9. PERMANENT PUMPING EQUIPMENT: Type Mfrs. Name Capacity G.P.M. How Driven H.P. R.P.H. Depth of Pump in well Feet Depth of Footpiece in well Feet Depth of Air Line in well Feet Depth of Neter on Pump 10. USED FOR AMOUNT Average Gallons Daily Maximum Gallons Daily 11. QUALITY OF WATER Sample: Yes No. Taste Odor Color Temp. OF 12. LOG Give desirie on beach of short or on apparate short. If electric log was gade, places 13. SOURCE OF DATA	δ.	SCREEN: TypeDi	ameterlnche	s length Foot	E.
7. WELL FLOWS NATURALLY		Range { Top Feet Ge Bottom Feet	ologic Formation	ED SCHALE	406
7. WELL FLOWS NATURALLY Gallons per Ninute at Feet above surface Water rises to Feet above surface 5. RECORD OF TEST: Date JU 17-185 ield Gallons per minute Static water level before pumping Feet below surface after hours pumping Drawdown De Feet Specific Capacity Gals. per min. per ft. of drawdown How Pumped PAIL 6K How measured PRINING LINE Observed effect on nearby wells NO NE 9. PERMANENT PUMPING EQUIPMENT: Type Hfrs. Name Capacity G.P.M. How Driven H.P. R.P.M. Depth of Pump in well Feet Depth of Footpiece in well Feet Depth of Air Line in well Feet Depth of Neter on Pump 10. USED FOR AMOUNT Average Gallons Daily NAXimum Gallons Daily 11. QUALITY OF WATER Sample: Yes No. Taste Odor Color Temp. OF Color Temp. OF Color Are samples available Color and Separate sheet. If electric led Yes and Separate sheet.		Tail piece. DiameterInches	Length	Feet	Ť
Water rises to	7.				
Static water level before pumping	<u>)</u>	Water rises toFeet ab	ove surface	4	1
Static water level before pumping	δ.	RECORD OF TEST: Date July 17-1857 ield		Gallons per minute	10:
Drawdown		Static water level before pumping	95	Feet below surface #	17
Drawdown		Pumping levelfeet below sur	face after		-
How Pumped		Drawdown Feet Specific Can	acity // cala a	awala angka seta a	` .
9. PERMANENT PUMPING EQUIPMENT: Type		How Pumped BAIL OK	How measured D	Rilling LINE	<i>`</i>
Type		Observed effect on nearby wells	NONE	,	ż.
Capacity	9.	PERMANENT PUMPING EQUIPMENT:			Z
Depth of Pump in well Feet Depth of Footpiece in well Feet Depth of Meter on Pump		Type Mfrs.	Name	<u>.</u>	
Depth of Pump in well Feet Depth of Footpiece in well Feet Depth of Meter on Pump		CapacityG.P.M. How Driver	I Н . Р	PR.P.H	
Depth of Air Line in wellFeetDepth of Neter on Pump					
AMOUNT Average					•
Maximum Gallons Daily 11. QUALITY OF WATER Sample: Yes No Taste Odor Color Temp of 12. LOG Are samples available equivalent copy) 13. SOURCE OF DATA	10.				
11. QUALITY OF WATER	2.				
TasteOdorColorTempof 12. LOGAre samples availableo furnish copy) 13. SOURCE OF DATA	11.	QUALITY OF WATER	Sample: Ye		٠.
12. LOG Are samples available furnish copy) 13. SOURCE OF DATA		TasteOdor	_ Color	Temp. °F	
	12.	(Give details on back of sheet or on separa	Are samp	oles available	
14. DATA OBTAINED BY AJBAUMEISTER + SON Date TOLY 11-1950	13.				
	14.	DATA OBTAINED BY AJB AUMEIS TE	R + SON Da	te JULY 11-195%	

		Wel Atla	l Permit No s Sheet Coord	25	<u>41636 </u>		
OWNER IDENTIFICATION - Owner	EPERALITEE INCOME				.112		
Address	OWNER IDENTIFICATION - Owner GRRACHTY, THOMAS Address						
City	SOMERVILLE		State N.	J	Zip Code		
WELL LOCATION K and the come of					· 1		
WELL LOCATION - If not the same as	owner please give addres	ss. Ou	ner's Well No.				
County		THE THE	<u>)</u>	_ Lot No	Block No		
TYPE OF WELL (as per Well Permit Co	AW SELLIVER LAND				ed 7 , 31 , 92		
Regulatory Program Requiring Well	1871	•					
CONSULTING FIRM/FIELD SUPERVI	SOR (if applicable) En	virotech	Consultan	ts	Tele. #_ 305-8200		
WELL CONSTRUCTION		Depth to	Depth to	Diameter			
Total depth drilled 23 ft.		Top (it.)	Bottom (ft.)	Diameter (inches)	l =		
Well finished to23ft.		[From la	nd surface]				
Borehole diameter:	Inner Casing	3"	13'	4"	PVC		
Top <u>8</u> in.	Outer Casing	j i					
Bottom 8 in.	(Not Protective Casing) Screen		ļ				
Well was finished: above grade	(Note slot size)	13'	23'	4"	.020 slot PVC		
x flush mounted	Tail Piece						
If finished above grade, casing	Gravel Pack	11'	23'		#2 Well Sand		
height (stick up) above land	Annular Seal/Grout	3"	11'		Portland & Bentonite Pellets		
surfaceft.	Method of Grouting		1 11		rellets		
Was steel protective casing installed? Yes X No	Wethou of Grooting	Pump					
Static water level after drilling 16	ft	, GE	OLOGIC LOG	(Copie	s of other geologic logs and/or		
Water level was measured using wa			·-·		ysical logs should be attached.)		
Well was developed for1hou		Pa	GUNITA	O E	RED RROWN SILT		
Method of development			COMENT	. }	Red RROWN SILT		
Was permanent pumping equipment in	stalled? Yes X No	1	GROWT	ij			
Pump capacitygom			,	5000 8 400			
Pump type:	·	Bea	UTCHITE !	C 0 -	RED/BROWN SILT		
Dritting Method Air Rotary			" "	, ا	RED/BROWN SILT 3:CLAY FINE GRAVE!		
Ordering Fluid Type	of Rig TH-60		(Mr.	= 7			
Name of Driller <u>William Ellef</u>	sen		S	10 6			
Health and Safety Plan submitted?			EZWell SAV)	2 8 E	17 LICHT GREEN		
Level of Protection used on site (circle of		72	6 6	CLAY SILTTRACE FINE SAND			
N.J. License No. 1173				0,	23		
Name of Drilling Company	HL ENVIRONMENTAL	INC. L			20		
hertify that I have drilled the above State rules and regulations.	referenced well in acco	ordance wit '	h all well perr	nit requ i rer	ments and all applicable		
Driller's Signa	ature William	-11	<u></u>	D	ate <u>8/28/92</u>		
200150 441	. P.C. DEDE C	0.11/	r n: 1 - 0	a			

DWR-138 M 12/91

New Jersey Department of Environmental Protection and Energy Bureau of Water Allocation

.,	-	Δt	ell Permit No. las Sheet Coo	rdinatos	<u>41637</u> 25 : 32 : 4894
OWNER IDENTIFICATION - Owner Address	_ 1 4 5755 2 222 1				<u> </u>
	150 DOTAN F	'			·
City	STATISTICS OF THE STATE OF THE	HYAD			
WELL LOCATION 15	25-4 53 / 4 Ti + 15		StateN	J	Zip Code
County	Municipality 60 s	シェアへん	wners Well No)	
CountyAddress		m		Lot No.	Block No.
TYPE OF WELL (as a William		·		·	+1
TYPE OF WELL (as per Well Permit (Categories) <u>প্রসামের হয়</u>		Date	well comple	ted 7 /30 / 92
Regulatory Program Requiring Well_	- (ı.oı∵∞ınbis	red _ / /30 / 92
CONSULTING FIRM/FIELD SUPERV	ISOR (if applicable) Env	virotech	Consultan		
CONSULTING FIRM/FIELD SUPERV			consultant	<u>cs</u>	Tele. # 305-8200
		Depth to	Depth to	T	7
Total depth drilled 28 ft.		Top (ft.)	Bottom (ft.)	Diameter	•
Well finished to 28 ft.		[From la	nd surface]	(inches)	Type and Material
Borehole diameter:	Inner Casing	3"	18'	4"	
Top 8 in.	Outer Casing		10	4"	PVC
Bottom 8 in.	(Not Protective Casing)		1		
——————————————————————————————————————	Screen (Note slot size)	18'	001		
Well was finished: above grade		10	28'	4"	.020 slot PVC
(x flush mounted	Tail Piece		1 1		
Ir rinished above grade, casing	Gravel Pack	15'			
height (stick up) above land			28'		#2 Well Sand
surfaceft.	Annular Seal/Grout	3"	15'		Portland & Bentonite Pellets
Was steel protective casing installed?	Method of Grouting	Pump		<u>-</u>	reffets
∐ Yes X No		тищр	<u>'</u>		
Static water level after drilling 20	4	000		(Copies	of other and the
Water level was measured using water	". er tano	GEO	LOGIC LOG	geophys	of other geologic logs and/or sical logs should be attached.)
Well was developed for 1 hour	-1 cape	POR	TIANDT		1
Method of development sub pump	s atgpm	a a		\Box	ASPHALT STONE
Was same and pump	<u> </u>	_	EMENT		RED BROWN
Was permanent pumping equipment ins	lalled? Yes X No	-	GROUT.	1	
Pump capacitygpm	7	1	7	L	SILT 4 CIAY
Pump type:	· ·				Yellow BROWN
Drilling Method <u>Air Rotary</u>	<u>.</u>	Bew	TOWITE	9'	SILT CLAY
Orilling Fluid Type o	f Rig TH-60		15/2		RED BROWN SILT
Name of Driller William Ellefser	n		' -		Well GRADED SAWD
lealth and Safety Plan submitted?	Yes No		=3		AND FINE GRAVE
evel of Protection used on site (circle one) Nose D o D +		#Zwell Sawi	1-4	The ERHOE
I.J. License No. 1173	Moule D C B V	1	12		
lame of Drilling Company		1	#		
		<i>i</i> .			58,1
y that I have drilled the above-retare rules and regulations.	eferenced well in accord	lance with a	ين مسالمبيدال		
taré rules and regulations.	1/1/	/ 3	. Y	requireme.	nts and all applicable
	////				
Driller's Signatu	re	1/1/1	~	Data	6/20 /c.
	_ _	/		. Date	£/28/92

New Jersey Department of Environmental Protection and Energy Bureau of Water Allocation

(·	MONIT	ORING W	Vell Permit No	ORD ac		
		ν	Vell Permit No.	ン . 25	- 41638	
OWNER IDENTIFICATION O		A	tlas Sheet Co	ordinates_	25: 32:	-
OWNER IDENTIFICATION - Owne Address	3 19 18 3 11 Y . 17 4 1	<u> </u>		. —	25 32	484
AddressCity	- TO CLUM (SEE)	不 放起				
	- 1444 FOR 1 F		State	NJ	Zip Code	
WELL LOCATION - If not the same County	as Owner places -:				Zip Code	
County _	Municipality V C	ress. O	wner's Well N	o		•
Address	- Marticipality Co	avor	ನಿ	Lot No.	Block A	1_
CountyAddress					- DIOCK P	10.
	Categories)	·	Data	well and t	. 7 20	
Regulatory Program Requiring Well			Case	Meli comble	ted	
CONSULTING FIRM/FIELD SUPERV	/ISOR (if applicable)	Enviro	tool 0	J.D. #		
CONSULTING FIRM/FIELD SUPERV	,	DITATIO	Lech Consi	ultants	Tele. #305-	-8200
Total depth drilled 25 ft.		Depth to	Depth to	Diameter		
Well finished to 25 ft.		Top (ft.)		(inches)	Type and M	otori-1
Borehole diameter:	lace O :	irrom la	nd surface]	(Type and lyp	ateriai
Top 8 in.	Inner Casing	3"	15'	4''	PVC	
Bottom 8 in.	Outer Casing (Not Protective Casing)					<u></u>
	Screen					
Wall was finished: above grade	(Note slot size)	15'	25'	4"	.020 slot PV	<u> </u>
I flush mounted	Tail Piece				DIOL IV	
If finished above grade, casing	Gravel Pack	101				
height (stick up) above land surfacett.		13'	25'		#2 Well Sand	
	Annular Seal/Grout	3"	13'		Portland & Re	entonit
Was steel protective casing installed? Yes X No	Method of Grouting	Pump			Pellets	
						
Static water level after drilling 18	ft.	GEO	LOGIC LOG	(Copies	of other geologic log	
Water level was measured using water	er tape			geophys	cal logs should be	s and/or attached.)
Well was developed for hours	at 5 gpm	iDo2	TIANDIP	•	AUSHED STENCE	
Method of development Sub Pump		1	1, {		Bed Brown:	
Vas permanent pumping equipment inst	alled? Yes X No		ment v	42	ed SHALE	SILT
dbm	E 100 EN INO	C.R.	UT E		STATE	
ump type:	•					1
rilling Method Air Rotary			12. 6	- 8	RED PROG	
rilling FluidType of	Ria TH-60	Bouto		1 2	Ase TOFINE	2
ame of Driller William Elle	fsen	'	3-51-6		RAVEL	
ealth and Safety Plan submitted?	Voc Du		well SAED	~ 	RED BROWN	15/17
vel of Protection used on site (circle one)	None D C D A		cil Sí	e I	ARSE-FINE	
- Licerise 14011/3	— B C B A		12 m		SAND	
	인사원당 기 사람들을 간	1.	# 020°			
				<u>z</u>		- 1
that I have drilled the above-refate rules and regulations.	erenced well in accorda	ince with all	well nermit -	0001150		
- vyolations,	1. 11		, or bettill li	equirement	s and all applicable	е
Driller's Signature	1 / II	////				
mer a dignature	11/1/20 /	///!//		_	01 .	

Data 8/20/05

FORM 87

DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT DIVISION OF WATER POLICY & SUPPLY

25.32. 485
Permit No. 25-7/36
Application No
County

WELL RECORD

25	•	B	2	`	Å	8	5
----	---	---	---	---	---	---	---

1.	OWNER CHARLES STENEMSON ADDRESS RD 4 SOMERVILLE N.J
	Owner's Well No. 25-7/36 SURFACE ELEVATION (Above seen see level)
2.	LOCATION 45 CHARLOTTE DE
3.	DATE COMPLETED Det 5 - 57 DRILLER A.JBAUMEISTER + SON
ζ.	DIAMETER: top 6 Inches Botton 6 Inches TOTAL DEPTH 200 Feet
	CASING: Type DiameterInches LengthFeet
ξ.	SCREEN: Type Size of Diameter Inches Length Feet ()
_	(TopFeet Geologic Formation RED SEHALE OF
	Range { TopFeet Geologic Formation RED SEHALE OFF
	Tail piece. DiameterInches LengthFeet
` i •	WELL FLOWS NATURALLY Gallons per Minute at Feet above surface
	Kater rises toFeet above surface
:.	EECORD OF TEST: Date Dot 5- 57 Yield 18 Gallons per minute &
	Static water level before pumping 9.5 Feet below surface
	Pumping level
	Drawdown 104 Feet Specific Capacity 18 Gals. per min. per ft. of drawdown
	How Pumped Baltor How measured DRILLING LINE
	Observed effect on nearby wells NONE
٤.	PERMAHENT PUMPING EQUIPMENT:
	Type Mfrs. Name
	Capacity G.P.M. How Driven H.PR.P.M
	Depth of Pump in wellFeetDepth of Footpiece in wellFeet
	Depth of Air Line in wellFeetDepth of Neter on Pump
10.	
	Haximum Gallons Daily
11.	·
\	TasteOdorColorTempOF
) 12.	Give details on back of sheet or on separate sheet. If electric log was made, please furnish copy)
13.	SOURCE OF DATA
14	DATA OBTAINED BY A.T. BAUMEISTER + SON Date SEPT 30-57

141 1-- bys-111

PINNE NO	2530122-5
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	22 11 PC 200 1251 125 KE
	WELL RECORD 25. 32.415 court. Somerset
١.	ORAIT Ortho Diagnostic works Pte 202 Bridgewater.
	DENT WITHE MW-1 FUNTACE ELEVATION -
	LOCATION Kridgewater N.J.
3	DATE CONTLETES 8/26/87 DAILLEA Wm. Stothoff Co. Inc
<	DIAMETER. To: 10 mores sonon Comores TOTAL DEFTH 100
5.	CLSING: Trix 1916 Steel Durani 6: hom Lings 23 FH
Ē.	SOREEN. TYPE Sat of Opening Dieneral Indies Legen Feet
	Ringe in Dest: { Tos Fee: Goologic formation Red Shale
	Talliferer Dumerry Indies Length First
7.	WELL FLOWS NATURALLY Gallens per minure at First above surface
	Harri tike to First post andres
B	RECORD OF TEST. DITE 8/36/87 YHIE GUIDE DE MINUTE
	State water level or fore pumping 60 Fers below without
	Pumping level feet below surface state / d hours to make
•	Direction 40 Fr: Socilie Closein Gill, pr. min, pr. f. el circor
	Kon punce Air Kon mikund Isal Pail
	ייי פייינו און אין אין אין אין אין אין אין אין אין אי
ş	PERMANENT PUMPING EQUIPMENT.
	Type Min. Rent
	Copietry G.P.M. Now Driven H.P R.P.M.
	Dippi of Pump in well Feet Perm of Footplies in well Feet
	Depth of Air Line in well Fact Type of Kent on Pump Fix Inches
. J.	USED FOR MONITOTING ANDUNT & METER DAILY CHIEF DAILY .
11.	DULLITY OF WATER No
	Tank Dest Color Tank F.
2	1000-3 overhunden 3-100' Red Shale
3.	EDURCE OF DATA TOO of WALL
ι.	DATA DETAINED LY C. Higgins Driller DIN 8/31/87
	VV .

ליני לים, התיונים בסו בל בל המולים בל בינים וכן של הל לם ובע יונים אנו בל בינים וכן בל הל לל בינים וכן בל בינים ב

) '/"	- SCONDES CATINATE ADITION PROBLEM TO PROBLEM TO CONTINUE TO CONTI
	32.486 APP-1269/21 NE
	WELL RECORD 25, 32,485 APPLICATIONS
	2531
١.	DINES ON tha Wiagrantic ADDRESS Route 202 Bridgewater N.J.
	O-NITH WITHE MW-2 SUNTACE ELEVATION - COMPANY FIRE .
,	105471DN Bridgewater N.J.
3	DATE CONFLETED 8/28/8) DAILLER WINXI TATROSS CA, COCC
	10 month lenon 6 hour TOTAL DEPTH 1000
•	CASING: TEX 1916 Steel DIMENT 6 - hom INFO 21 FM:
ъ.	SCREEN. TYPE Sit of Opening Directi Indit LmphFett
€.	(Tez Fm) . O. J. Cl. J.
	Ring in Dezir { Tex Frei Grologie Formelion Red Shale Frei
·	Tall Parts Diameter from from Fett .
7.	WELL FLOWS NATURALLY Gallons per minute at Fert above surface
	Water tikes to Feet above surface
. 8	MECDED DE TEST. DIR 8/28/87 YHIG T GUIDE DE MINUTE
)	Static water level oxfore pumping 60 Feet below surface
	fulcand unay 190 test per enter the The pridates for home bounding
	Direction 60 Fr: Socilie Closein Gill, per min, per to el estrection
	Kon Durine: Air Kon Mauris Sgal Pail
	Only to this profit by will
-	PERMAKENT PUVPING EDUIPMENT.
,	
	CIPKITY G.P.K. Kow Differs K.P R.P.K
	Depth of Pump in well Feet, Depth of Footplets in well Feet
	District First First Type of Kittlen Pump Fit Inches
	•
15.	USED FOR MONITORING ANDUNT {
33.	DUALITY OF WATER No
	Tent
\$2,	Los Dis over burden 5-180' Red Shale Lyman million
	SOURCEDEDATA TOP of Well

1/2; 50- \$1/4-131,

DIVIDIO DI NATA ALIDARITA DI COLINIA PARTE

PIANU PD	2230192	~ /
491-1244.0		. (

••	WELL RECORD	25.32.495 00.	Somerset
1. DANEE OF BODIAGO DIAGO STIC	TOTALCE	1202 Bridgew	ater 115
CARLETTINE.		ELEVATION	
3. DATE CONTLETES _ 8/27/87	_ DAILLER W	m. Statt	OFFO- TI
(DIAMETER, Top-Lummonii lot	10m 6 hans	*A* * * * * * * * * * * * * * * *	
b. EXING: IFF	- Dbright	- 6 · han	. 26
E. STREEK. TYPE Sur of Openin	i Dimini	India	rolin 30 EHI
(Tep Fm	11		LmphFire
Ring in Drate { Tea Fri	Grologic Fort	nulion Red SI	nale
Tell Parts Dameste Indies			
7. WELL FLOWS NATURALLY GITIONS DE	Emples 43		
William Fr	115		fice
B ALCORD OF TEST. Dist 8727 187	reson touted	· ,	
Strice matter feat, before brudent	YHIE	Guiox p	រះ គារ់សារ
Pumping level 120 feet below su		First before without 1/2	•
Dentaria	^ਅ ਮਰ ਮੋਜ਼।	1 d hon a	ייתולתין .
Direson Feri So	ecilit Capein	Gall, per min, per fo	el etroper
How purpos Air	Ho-	mxum Isal	Pail
Observe stien annising webs	•		
F PERMANENT PUNPING EQUIPMENT.	•		
Trx	Mirs. Reme	ý	· · ·
Craminy G.P.M. Kow Dr	irth	H.F	R.P.R.
Districtions in well Feet	, Dissipl Footsi	العام العام العام العام العام العام العام العام العام العام العام العام العام العام العام العام العام العام ال	· ·
Distribution of the Feet	בחשל תם והוא לם וכצו		Tr. factor
12 USED FOX Monitoring			
	דאטכאא	Kexpurn .	_ Can-k Diny
11. DULLITY OF WATER	· · · · · · · · · · · · · · · · · · ·	Emilia	_ WHOS DAIY .
TM1 Dcst			Ka
12 105 0=4 overburden 4-120' Red.	Shale	Ten;	P * F.
The second were the	And he was been	רואחונים אבינה	
1). SOURCE OF DATA Top of Well			
11. DATA DETAINEDRY C. Higgins		Din 8/	31/87
)		7	1

יין און בייניים לפן או שא הפונותים לא ישנה ביינים און ביינים און בדכיאו ייניים און בדכיאו און בדכיאו און בדריאו און בייניים און בדריאו און בייניים או

1/4: 1/4:

DISTRICT DE MATERATEDICES DISTRICTOR DE L'ANTINATE PROTECTION L'ALL DE MIN RESILA

11AVA DO 3530102/_/

APP-ICATION NO
HILL RECORD 25.32.48 Eout. Somerset
2530124-1
1. OKNEE ALTO DIAGNATIC ADDRESS Rowle 202 Bridgewater N.J. OMITHITAE. MW=4 EUNFACE ELEVATION
O-MITHITAE. MOVE 4 EUNIACE ELEVATION
2. LOCATION Bridgewater, N.J.
3. DATE CONFLETE = 8/27/87 DRILLER WM. Stathoff Co TUC
6 CLUSING: TEX 1916 Steel DATE MON TOTAL DEPTH 120 FILE
Direction to the
Divitallong
Range in Depth { Iona - Feet Geologic Farmation - Feet
Tail Piete Dumeter Inches Empt Free
7. WELL FLOWS NATURALLY Gallons per minute at Feet about and
Will the to Fret Post sodies
E AECORD OF TEST. DITE 8/37 187 YALE 1 GUIDE DE MINUTE
() + this will, it it, pt, pt, pt, pt, pt, pt, pt, pt, pt, p
to a profit that the form that below to the first the fi
Directory OO Fr: Swill Come
Hon purior Air How makened Gal Pail Operate the en prior and
Operation of the opposite the
F PERMANENT PUNITING EQUIPMENT.
Trx Min. Henr
Coping G.P.M. How Driven H.P. R.P.M.
Demand Free Demand
Distribution in well Fee: Type of Kittle on Pump Fee: Inches
12 IRIDED MOL 'TOL'
10. USED FOR MONITORING ANDUNT {ATTIME GRICE DRIVE
11. DULLITY OF WITER CHICA DAILY .
Tent Past
12 LOS Di3 over burden 3-120' Red Shale
المراوري المراورة الم
13. EDUACE OF DATA TOP OF WOLL
DETADETAINEDRY C. Higgins Driller Den 8/31/87

(HOTE | Un ether was a this than for ecanions information and as for all mustices, as the services and services and services and services and services and services and services and services and services and services and services are services and services and services are services and services are services and services are services and services are services and services are services and services are services and services are services and services are services and services are services and services are services and services are services and services are services and services are services and services are services are services and services are services and services are services and services are services and services are services and services are services are services and services are servic

DWR-138 M 6/89

New Jersey Department of Environmental Protection Division of Water Resources



MONITORING WELL RECORD

		· W	all Permit No	25	36541	
		Atl	as Sheet Coo	rdinates	36541 	≥ 485
OWNER IDENTIFICATION - Owner	ORTHO DIAG	VOTIC SYS	TEMS		···································	
Address	ROUTE 202					
City	NARITAN		State	NJ -	7:00-1	0010
WELL LOCATION - If not the same of	o ourses also a la la la la la la la la la la la la l					_
WELL LOCATION - If not the same a	S owner please give addr	ess. O	vner's Well No	<i>MW</i>	-10	
County Someset Address Route 202,						
TIPE OF WELL (as per Well Permit (Categories) MINITE	OTAB			•	0 =
Regulatory Program Requiring Well_	RORA	.1419	Caso I	nu +a Me⊪∞wbiet	ed <u>6 1221</u>	<u>70</u>
Regulatory Program Requiring Well _ CONSULTING FIRM/FIELD SUPERV	ISOR (if applicable)	James a	mal Man	.0.#		
WELL CONSTRUCTION	· · · · · · · · · · · · · · · · · · ·	COTAIN C	NG 1/188/	<u>.e_</u>	Tele. #_ <i>201-</i>	-272-8300
Total depth drilled 30 ft.	<u> </u>	Depth to	Depth to	Diameter		
Well finished to 30 ft.		Top (ft.)	Bottom (ft.) nd surface]	(inches)		laterial
— —	Inner Casing		io suriacej;	 		
Borehole diameter: Top I O in.	Outer Casing					
Bottom 6 in.	(Not Protective Casing)	0	20	6	Sch 10	304
<i></i>	Screen (Note slot size)			-	Stanken S	Hee I
Well was finished: above grade	Tail Piece					
If finished above						İ
If finished above grade, casing height (stick up) above land	Gravel Pack					
surfaceft.	Annular Seal/Grout	0	20	_	0.11 11	1
Was steel protective casing installed? Yes No	Method of Grouting	Russu	e Gioux		Partland la Trimme 6	rent o
Static water level after drilling 26	£.	050				
Water level was measured using	- Scano	GEO	LOGIC LOG	geophys	of other geologic k sical logs should be	gs and/or attached.)
Well was developed for 1/2 hour	12 1/2		_			
Method of development Sub nu	wike Puno		Graine	}		
Was permanent pumping equipment ins	talled? Ves Whie		· attorice	01	31	uted
Pump capacitygpm			•		\sim	· .
Pump type:		ľ	. •	Fill	~	
Drilling Method Wir Ketary	- 4 4 11 .			13'	\approx	
Drilling Fluid Numa hube Type of	i Rig Rerchch; 1/6.	50				
Name of Driller				Ĺ		
	Yes No			11. 1		
Level of Protection used on site (circle on: V.J. License No O 9 3)	e) None (D) C B A	ŀ	5	hale i-		
me of Drilling Company	SAMUEL STOTHOFF	00. IN	.	- -		
	<u>-</u>			38'		
certify that I have drilled the above-restate rules and regulations.	eferenced well in accord	lance with a	ll well permit	requireme	nts and all applica	able
Driller's Signatu	re On Wen	9		Date	7/41/00	

Date 7/24/90

MONITORING WELL RECORD

		We	Il Permit No.		5 36542	
OWNED IDENTIFICATION O		Atti	as Sheet Cool	rdinates	25	485
OWNER IDENTIFICATION - Owner Address	ORTHO DIAC	NOTIC SYS	TEMS			
City	RARITAN		State	ŊJ	Zip Code	19
WELL LOCATION - H not the same -				mul	11	
County Hunter Low Some	Municipality		LITER 2 AAAII IAO		-//	
County Hauter Low Sorrer Address Acuts 202, A	autan Na Jace	NARITAN	EURU	LOT NO.	Block No	з
TYPE OF WELL (as per Well Permit ((atennyine)					
TYPE OF WELL (as per Well Permit C Regulatory Program Requiring Well	MINIT	RING	Date	well complet	ed 6121190	
Regulatory Program Requiring Well _ CONSULTING FIRM/FIELD SUPERV	ISOR (if applicable)	0-	Case I	.D. #		
WELL CONSTRUCTION	100H (II applicable)	E James	A /// 1801 4	٤	Tele. # <i>_201-27</i> _	7- <i>8300</i>
WELL CONSTRUCTION		Depth to	Depth to	Diameter		
Total depth drilled 87 ft.		Top (ft.)	Bottom (ft.)	(inches)	E.	iai
Well finished to <u>27</u> ft.			nd surface]			
Borehole diameter:	Inner Casing					
Top <u>10</u> in.	Outer Casing (Not Protective Casing)	0	10		Sch 10 384	
Bottom 6 in.	Screen		10	6	Stainless Steel	
Well was finished: above grade	(Note slot size)				· <u></u>	j
Ilush mounted	Tail Piece					
If finished above grade, casing	Gravel Pack	1				
height (stick up) above land surfaceft.	Annular Seal/Grout	0	10	_	Partland Cener	_
Was steel protective casing installed		27	87		Perford Cerent	
Yes No	inclined of Glodding	Pressur	Cloud	w/7	COMINE LINE	
Static water level after drilling 13	ft.	GEO	LOGIC LOG	(Copies	of other geologic logs a	ind/or
Water level was measured using	M-Scope			geophy	sical logs should be atta	iched.)
Well was developed for 1/2 hour	stat //2 com					·]
Method of development Subm	eraible Pump	ĺ	Grown	1.	S_{i} , F_{i}	
Was permanent pumping equipment ins				ונית	Outlac	<u> </u>
Pump capacitygpm			5	5	\sim	
Pump type:				5		.
Drilling Method Air Rotary				سا س		
Drilling Fluid Numbe Type	of Rig Reichchill 65	0	.Sh	ale [
lame of Driller Vous Libra				-		1
lealth and Safety Plan submitted?						
evel of Protection used on site (circle on	e) None @ C`B A			27'F	==!	
.J. License No. <u>0931</u>			Grout Mirria	_ E		į
ame of Drilling Company	SAMUEL STUTHOF	F 👊 . , 1	NC.	87' 🖹	====	
, certify that I have drilled the above-r tate rules and regulations.	referenced well in accor	dance with a	all well permit	t requireme	ents and all applicable	
-					_//	
Driller's Signate	ure Dere Ware			Dat	e 7/24/90	

Date __

DWR-138 M 6/89

New Jersey Department of Environmental Protection Division of Water Resources

Data 7/24/97

	MONITOR	IING WEI	L RECO	RD		
		We	ell Permit No	2	5 36543	
		Atl	as Sheet Coor	dinates	25 32	485
OWNER IDENTIFICATION - Owner		NUTIC SYS	STEMS			
Address	ROUTE 202 RARITAN					
City	701/21/14		State	. 1/1	Zip Code	<u></u>
WELL LOCATION K						
WELL LOCATION - If not the same a	is owner please give addr	ess. Ov	vner's Well No.	Mu	1-12	
County Houter 202 Sour	Municipality	PARLTAN	BORO	_ Lot No	4 Block No.	31
TIPE CONTRACTOR SHOW	My Maritary Kt	W Dever	·			
TYPE OF WELL (as per Well Permit (Regulatory Program Requiring Well	Categories)MINIT	RING	Date v	vell complet	ed 6,22,90	
- , J			Cacal	D 4	* _	
CONSULTING FIRM/FIELD SUPERV	ISOR (if applicable)	anes o 1	Norma		Tale # 7A1 771	
WELL CONSTRUCTION					1818. #_ <u>QVI~A. / A</u>	-8500
Total depth drilled 89 ft.		Depth to	Depth to	Diameter		
Well finished to 25 ft.	!	Top (ft.)	Bottom (ft.) nd surface]	(inches)	Type and Materi	al i
• • •	Inner Casing		is contace;			
Borehole diameter: Top	Outer Casing				**************************************	_
Bottom 6 in.	(Not Protective Casing)	0	10		Sch 10 304	
	Screen (Note slot size)				Sariles Steel	
Well was finished: above grade						
flush mounted	Tail Piece					
If finished above grade, casing	Gravel Pack		_			
height (stick up) above land surface	Annular Seal/Grout	25	10		Partla of Court	<u></u>
Was steel protective casing installed?		7.5	89		Partland Corent	
Yes No	Welflod of Grouting	Ressure	beaut i	W/Trim	mie Line	
Static water level after drilling21	1	650		•	of other geologic logs ar	
Water level was measured using		GEO	LOGIC LOG	geophys	ical logs should be attac	nd/or thed.)
Well was developed forhou	dat /2			15		
Method of development Sulmer	at 2 gpm		Graune		S_{i}	
Was permanent pumping equipment ins				0'-	Juraa	
Pump capacitygpm	trailed (192 [100		S	si _ _	~	
Pump type:				4	\supset	1
Drilling Method Hir Reserv		ľ		<u> </u>		
Drilling Fluid Numa Lube Type	of Rig Reichdrill	650	Sh	ale H		
Name of Driller Dewy Weve	7(3)(3)	<u> </u>		H		
11 11 10 10 1	Yes No			يسل	+	
Level of Protection used on site (circle on				25' =	<u>-</u>	
N.J. License No. <u>0931</u>			Grout			1
ame of Drilling Company	SAMLEL STUTHOFF	- 00L, IN	c. Mixture	89' E	===	1
I certify that I have drilled the above-r State rules and regulations.	referenced well in accord	dance with a	all well permit	requireme	nts and all applicable	

Driller's Signature _____ Die Wee

		DWR-138	M
1	ン	6/89	

New Jersey Department of Environmental Protection Division of Water Resources

4

MONITORING WELL RECORD

			Il Permit No.		5 365	44	
OWNED IDENTIFICATION -		Atl	as Sheet Coo	rdinates		52	485
OWNER IDENTIFICATION - Owner	CRIHO DIA	NOTIC SY	STEMS		• •	i	
Address	RUIE 202					1	
City			State	NJ	Zip Code	08869	
WELL LOCATION - If not the same	as owner please size add-			. ففر			
County Somerset	Municipality	ess. Ov	rner's Well No	. ///W-	13	_	
County Someset Address Aout 202, TYPE OF WELL (as per Well Permit	Raiton The	PARITAN	POR 0	_ Lot No.	4 B	lock No	;
TYPE OF WELL (or nor Wall Bare to	and the state of t	nesey				<u> </u>	
CONCLUTING TITLE TO THE TOTAL THE TO	RORA	^	Case I	l.D.#			
Regulatory Program Requiring Well CONSULTING FIRM/FIELD SUPER WELL CONSTRUCTION	VISOR (if applicable)	lames à	Mood	e	Tele. # ~	781-272-	.82A
WELL CONSTRUCTION						VI W/W	_020
Total depth drilled 87 ft.		Depth to	Depth to Bottom (ft.)	Diameter			
Well finished to 25 ft.		[From las	nd surface]	(inches)	Гурев	and Material	
Borehole diameter:	Inner Casing						
	Outer Casing	 		-	5-/ 10 -	* * * * * * * * * * * * * * * * * * *	
Bottom 6 in.	(Not Protective Casing)	i	12	6	Starley S	Type 304	
Well was finished: above grade	Screen (Note slot size)	_				TET CASTO	\dashv
							_
I flush mounted							
If finished above grade, casing height (stick up) above land	Gravel Pack					Ċ	\Box
surfaceft.	Annular Seal/Grout	25	12	-	Parland	Cout,	\dashv
Was steel protective casing installed	Method of Grouting				Port/and		 -
Yes No	J. C. G. G. G. G. G. G. G. G. G. G. G. G. G.	Presour	e brown	W/	Empire 1	hive.	,
Static water level after drilling 22'	6" #	GEO	LOGIC LOG	(Copies	of other geole	ogic logs and/	nr
Water level was measured using	1- SIADE	-	LOGIC LOG	geophy	sical logs sho	uld be attache	∌d.)
Well was developed forhou	urs at /2 com		<i>_</i>				
Method of development 5ub	mossible Puns		Graw	rel		Sufue	
Was permanent pumping equipment in				01	MA.	- ownage	-
Pump capacitygpm	ioramon: The IA2 TA IA0			Soil,			1
Pump type:			·	5			
Drilling Method Air Rotary					!!		
Drilling Fluid Nuns hube Type	of Rig Reicher:	650		Shale			1
Name of Driller Donny Weng	3	١	•				
Health and Safety Plan submitted?	Yes No			٠,			- 1
Level of Protection used on site (circle o	ne) None (D) C B A			25'	FEET		1
N.J. License No. <u>093</u>	_		Gnaud	r	===1		ĺ
me of Drilling Company	SAMUEL STUTHOR	∓c.p., n	nc with	e 87 i	====1		j
Certify that I have drilled the above	-roforonood!! !						
certify that I have drilled the above- State rules and regulations.	referenced well in scoop	dance with a	III well permit	t requireme	ents and all a	pplicable	
-							

Date 7/2u/91

Driller's Signature Vere Were

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New Jersey Department of Environmental Protection Division of Water Resources

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	•	W	ell Permit No.	2	5 <u>3</u> 654	5	_
OWNED IDENTIFIE		714	an Ottobi COO	rdinates	25	3 2	485
OWNER IDENTIFICATION - Owner	URTHO DIAC	ENOTIC SY	STEMS			·- ·	L
AddressCity	ROUTE 202				4		<u> </u>
City			State	NJ	Zin Cod	Agaic	
WELL LOCATION - If not the same a	10 000man = 1				_ zib çode _	08869	<u></u>
WELL LOCATION - If not the same a	s owner please give addr	ess. O	vner's Well No	. MW-	14		
County Somerant Address Parts 202, R	Municipality	<u>KARITAN</u>	BORO	_ Lot No.	4 Bk	ock No.	- 31
,		141422					
THE OF WELL (as per Well Permit (Categories)MINIT	URING .	Date	well complet	ed 6 2	7,90	
Regulatory Program Requiring Well	ROPA	<u> </u>	Case	I.D. #		<u>U.ZU</u>	
CONSULTING FIRM/FIELD SUPERV	ISOR (if applicable)	Danes	a MAIST	e	Tala # 1	4/277	67 A A
WELL CONSTRUCTION					1616.# <u>~</u> /(012/2-	<u>830</u> 0
Total depth drilled 30 ft.		Depth to	Depth to	Diameter			
Well finished to 1 30 ft.		Top (ft.)	Bottom (ft.)	(inches)	Type an	nd Material	
·	Inner Casing		id Surface)	 			
Borehole diameter: Top 10 in.		-					1
Bottom 6 in.	Outer Casing (Not Protective Casing)	O	20	6	Schlo Ty	pa 304	7
i)	Screen		au	φ	Skirless	Steel	
Well was finished: above grade	(Note slot size)						·
I flush mounted	Tail Piece						
If finished above grade, casing	Gravel Pack	_					 •
height (stick up) above land surfaceft.	Annular Seal/Grout	0	2 "		0		
			20		Partland	Cenant	
Was steel protective casing installed?	Method of Grouting	Pressuo	brout	W/Tr	maie Lin	ve	
Static water level after drilling 21	#	GEO	LOGIC LOG	-	of other geolog		
Water level was measured using Management	Scano	L	LOGIC LOG	geophys	ical logs shoul	d be attache	or od.)
Well was developed for/2 hour	dat //>	j					7
Method of development Submo	scible Puno		Snown		4	٠٢.	- [
Was permanent pumping equipment ins	alled? Vac Du			01-		从也从	{
Pump capacitygpm	raned: T 162 T NO						1
Pump type:	•		Fi	//	~		
Drilling Method Air Referry				13'		• •	i
Drilling Fluid Nurabuse Type of	A Rig Reichdr: 16	50		13			}
Name of Driller Denty Whene		29		<u> </u>			1
11 13	Yes No		-1	1			ł
Level of Protection used on site (circle one	None (D) C`R A		51	iale L			
N.J. License No				· · · · · ·			1
Name of Drilling Company	SAMLEL STUTHOFF	· W., IN	C.	301			1
ertify that I have drilled the above -	oforongod=""						
ertify that I have drilled the above-re State rules and regulations.	signationed Mell IU accoud	lance with a	ll well permit	requireme	nts and all app	plicable	
					,	1	
Driller's Signatu	re _ Our Were			Det	7/2/1	100	

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New Jersey Department of Environmental Protection Division of Water Resources

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		W	eli Permit No.	25.	36941-5	
OWNER IDENTIFICATION - Owner Address Route 20:	Ortho Diane	All	as Sheet Coo	rdinates	36941-5 25:32:485	[
Address Route 20:	2	MIC SY	STONED.			
City Raiten	<u> </u>		State /	17	Zip Code <u>08869</u>	
WELL LOCATION - If not the same			- 14.0 <u>- 70</u>		Zip Code	
County Somerset	Municipality Municipality	ess. O	vner's Well No	<i>MW-</i>	15	
WELL LOCATION - If not the same a County Sonoiset Address Acute 202	,	- UUGE	Y .			
TYPE OF WELL (as per Well Permit (Categories) Maristra	10	Date	wall complete	1 1 25 00	
CONSULTING FIRM/FIELD SUPERV	'ISOR (if applicable)	bosed 1	Moore		Tele # 201-272 6	224-
THE SOUS TRUCTION		Depth to			1010. # 001-210-7	200
Total depth drilled 25 ft.	<u> </u>	Top (ft.)	Depth to Bottom (ft.)	Diameter		7
Well finished to 25 ft.	<u></u>		nd surface]	(inches)	Type and Material	
Borehole diameter:	Inner Casing			-	_	7
Top /// in. Bottom 6 in.	Outer Casing (Not Protective Casing)	0	12	6	Sch 10 Type 304	\dashv
Well was finished: above grade	Screen (Note slot size)		_		Stavless Stel	4
flush mounted	Tail Piece					-
If finished above grade, casing	Gravel Pack				!	4
height (stick up) above land surfaceft.	Annular Seal/Grout	0	(2)		01111	_
Was steel protective casing installed?			12		Portland Leneut	╛
Yes No	and or disching	Messe	e blout	W/Tri	aprie Line	_
Static water level after drilling 2/	ft.	GEO	Logic Log	(Copies	of other geologic logs and/or	_
Waltura days a neasured using M	Scape,			geophys	sical logs should be attached	<u>}</u>
Well was developed forhourhour	sat 12 gpm		Ground		Surface	
Was permanent pumping equipment ins		_		01		1
Pump capacitygpm	,==== _ == 110			Soil		1
Pump type:				5'		1
Drilling Method Hir Reford Drilling Fluid Numa Lube Type of	- 1 18:18	ارس		F		
Name (15 m)	of Rig Rencher, 1/6	30		سا		1
Health and Safety Plan submitted?	Yes No			Shale		1
Level of Protection used on site (circle on	a) None (OC, B V		,	-		ľ
N.J. License No	of Hone Of C	1		し		
me of Drilling Company Somuel	01011011 100			25'		
I certify that I have drilled the above-ristate rules and regulations.	eferenced well in accord	lance with a	ill well permit	requireme	ents and all applicable	
Driller's Signatu	ire Done Were			_ Date	7/24/90	

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New Jersey Department of Environmental Protection Division of Water Resources

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MONITORING WELL RECORD

			LL IILOO	מח			
		W	eli Permit No.	<u> </u>	25 365	546	
OWNED IDENTIFICATION		A	as Sheet Coo	rdinates		: 32	485
OWNER IDENTIFICATION - Owner		AGNOTIC S	YSTEMS	i			_ _
Address	ROUTE 202	2					
City			State	NJ	Zio Code	Dea 10	<u> </u>
WELL LOCATION - If not the same a	10 ourses start to the			44	_ ZIP Code	08864	
County Some of	is owner please give addr	ress. O	vner's Well No	D. <u>[][[][]</u>	-16		
County Somewest Address Route 202,		BARTTAN	L BORO	Lot No.	ABI	ock No.	
							 3 1
TYPE OF WELL (as per Well Permit (Regulatory Program Requiring Well	Categories)MINI	IDRING.	Date	well complet	nd (1	5.9n	
Regulatory Program Requiring Well_	RORA		Case	in #		10	
CONSULTING FIRMFIELD SUPERV	/ISOR (if applicable)	Dania 2	MARCO				_
WELL CONSTRUCTION	7		الهمار		Tele. # <u></u>	<u> 91-272-8.</u>	300
Total depth drilled 30 ft.		Depth to		Diameter			 1
		Top (ft.)	Bottom (ft.)	(inches)		nd Material	
Well finished toft.			nd surface]	 			1:
Borehole diameter:	Inner Casing	<u> </u>					\exists
Тор <u>//</u> in.	Outer Casing (Not Protective Casing)	0	24	,	Sch 10 7	100-304	
3ottomin.	Screan		20	6	Staroles	Stæl	1
Well was finished: above grade	(Note slot size)						7
Ilush mounted	Tail Piece	_					
If finished above grade, casing	Gravel Pack						_
height (stick up) above land							1
surfaceft.	Annular Seal/Grout	0	20	-	Portland	but	7
Was steel protective casing installed?	Method of Grouting	Pressure	6. 1	1.1-	1. T.	coex	
☐ Yes ☒ No		To office	Chow :	W/ IN	unc Line	<u> </u>	
Static water level after drilling	<u>2_ft.</u>	GEO	LOGIC LOG	(Copies	of other geolo	gic logs and/or	_
Water level was measured using	N-Scope			geophys	sical logs shou	ld be attached	<u>.)</u>
Well was developed for 1/2 hour	tat 1/2	l		•		• ,	1
Method of development Sala Au	sible Puno		Graum	J	. (, Γ	1
Was permanent pumping equipment ins	talled? Yes XNo		CZ TOLUM	a/h		wface	4
rump capacitygpm		1		or			
Pump type:		1	F		~		
Drilling Method Air Refer				91	~		1
Drilling Fluid Numabule Type of	of Rig Reicharill 6	50		7			1
Name of Driller Learn Wene				-			i
lealth and Safety Plan submitted?	Yes No		Sh	1. ;-			1
evel of Protection used on site (circle on	e) None (D C B A		JK	ale i-			1
J. License No	_			<u> </u>			j
he of Drilling Company	SAMUEL STUTHOFF	- CO., IN	C .	30'			
certify that I have drilled the above-re	elerenced wall in asses	done					j
certify that I have drilled the above-re tate rules and regulations.	NOON THE BOLLONG	rance with a	II well permit	requireme	nts and all ap	plicable	

Driller's Signature Vere Were

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New Jersey Department of Environmental Protection Division of Water Resources

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MONITORING WELL PECOPO

	ONITON	MAG AAET	L RECO			
		We	ll Permit No	25	36547 2532	
•		Alle	s Sheet Coor	dinates	<u></u>	485
OWNER IDENTIFICATION - Owner _	ortho diag	OTIC SYS	TEMS		··	L
Address	ROUTE 202					
Address						
					_ Zip Code <u><i>088</i></u>	
WELL LOCATION - If not the same as County Some Address Port 2A2 0	s owner please give addro	ess. Ou	iners Wali Na	M41-	-17	
County Somerset	Municipality	RARITAN I	:0R0	. John	4 5	31
Address Route 202, R	aritan New Je	ASPa/:		_ LOT 140.	Block No.	
TYPE OF WELL (as per Well Permit C	'ntagaire) MINITT	DINE				
Regulatory Program Requiring Well	RORA	1/11/45	Date	well complet	ed <u>6 126 190</u>	<u>'</u>
CONCULTING SIRVERS CONCULTING WEIL			Case I	.D. #	ed <u>(0 1 2 6 1 9 0</u>	-
CONSULTING FIRM/FIELD SUPERV	ISOR (if applicable)	ameal	looce		Tele. # 201-27	22-8300
WELL CONSTRUCTION			Depth to	T		
Total depth drilled25 ft.		Top (ft.)		Diameter	2	
Well finished to 25 ft.			nd surface]	(inches)	Type and Mat	ariai
	Inner Casing					
Borehole diameter: Top	Outer Casing		 		61 10 50 301	
Bottom 6 in.	(Not Protective Casing)	0	12	6	Sch 10 Type 304 Stanky Steel	/
	Screen (Note slot size)				JANA SIRI	
Well was finished: above grade			·			
Ilush mounted	Tail Piece	1				ł
If finished above grade, casing	Gravel Pack	<u></u>				
height (stick up) above land surfaceft.	Annular Seal/Grout	0	17		11111	7
		$-\varphi$	12		Putland Lenery	/
Was steel protective casing installed?	Method of Grouting	Presque	bout u	Tran	ve hine	ļ
				(Canias		
Static water level after drilling 21	ft.	GEO	LOGIC LOG	geophy	of other geologic logs sical logs should be a	tand/or ttached.)
Water level was measured using M-	-300 pe					
Well was developed forhour	rat atgpm			1		o
			Ordun	٧	5w	are
Was permanent pumping equipment ins	italled? Yes X No			0'		
Pump capacitygpm		ŀ		Soil	\sim	
Pump type:		-	•	51		. .
Drilling Method Hir Kotary	- 1 1111			Š		
Drilling Fluid Wunahube Type	of Rig Rerchdrill 6	50		f		
Name of Driller Down Were			Sh	ale		
	Yes No	1	<i>J</i>	i c		
Level of Protection used on site (circle or	ie) None @ C`B A			Ī		
-N.J. License No. <u>093</u>]	SAMLEL STOTHOF	F 00. II	C.	1		
me of Drilling Company				25' r		
I certify that I have drilled the above- State rules and regulations.	referenced well in accor	rdance with	all well perm		ents and all applicat	ole .
Driller's Signat	ure <u>Par War</u>			Da	e 7/24/90	

DWR-138 M 6/89

New Jersey Department of Environmental Protection Division of Water Resources

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Top /// in. Rectorm // in. Rectorm // in. Re	· 485
WELL LOCATION - If not the same as owner please give address. County Service of Municipality PARTITAN BORD Address Route 202, Rankou, Rho. PARTITAN BORD Address Reputable Permit Categories) Regulatory Program Requiring Well Permit Categories HORITORING Regulatory Program Requiring Well PERM CONSULTING FIRM/FIELD SUPERVISOR (if applicable) WELL CONSTRUCTION Total depth drilled 20 ft. Well finished to 20 ft. Borahole diameter: Top 10 in. Soltom 10 in. Outer Casing (Not Protective Casing) (Not Protective Casing) (Not Stot size) Annular SealGrout Annular SealGrout Annular SealGrout Method of Grouting My W Sollow Annular SealGrout Annular SealGrout Method of Grouting My W Sollow Geophysical legs should to the geologic geophysical legs should to the protection used on site (circle one) None (D C B A License No. 0 9 73) SAMON STRINGER (TO THE Casing) SAMON STRINGER (TO THE CASING) Address Permanent pumping equipment installed? Well finished Saley Plan submitted? Type of Rig Barboth I State Permanent pumping equipment installed? West I Alexandry West I No. Boro Kan Saley Bro Circle one) None (D C B A License No. 0 9 73) SAMON STRINGER (TO THE CASING) SAMON STRINGER (TO THE CASING) SAMON STRINGER (TO THE CASING) Address Page Well No. Municipality Address Page Well No. Municipality April 10 Lot No. Municipality April	:
WELL LOCATION - If not the same as owner please give address. WELL LOCATION - If not the same as owner please give address. Winicipality Address Rent 202, Municipality Address REARTTAN HORD Date well completed 5 124 Case I.D. # Consult Ing Firm Field SUPERVISOR (if applicable) WELL CONSULTING FIRM/FIELD SUPERVISOR (if applicable) WELL CONSULTING FIRM/FIELD SUPERVISOR (if applicable) WELL CONSULTING FIRM/FIELD SUPERVISOR (if applicable) Well finished to 20 ft. Well finished to 20 ft. Borehole diameter: Inp / in. Softom / 0 in. Well was finished: A bove grade If finished above grade, casing leight (stick up) above land undace ft. Was steel protective casing installed faiter level was measured using file Suppe ell was developed for 1 FioUns at Canada and Consulting file for the consultation and the file for the consultation and the file for the consultation and the file for the consultation and the file for the consultation and the file file file for the consultation and the file file file file file file file fil	
County Service: Address Reub 202 Rawby, Part Bord Type OF WELL (as per Well Permit Categories) Regulatory Program Requiring Well BCRM CONSULTING FIRMFIELD SUPERVISOR (if applicable) WELL CONSTRUCTION Total depth drilled 20 ft. Well finished to 20 ft. Well finished adove grade If finished above grade If finished above grade, casing height (stick up) above land surface to ft. Was steel protective casing installed? Yes IN No static water level after drilling 5 5 if fater level was measured using Part Stap ce fell was developed for 1 Found at 1 Found at 1 Found at 1 Found at 1 Found at 2 Found at 1 Found at 2 Found at 1 Found at 2 Found at 1 Found at 2 Found at 1 Found at 2 Found at 1 Found at 2 Found at 1 Found at 2 Found at 1 Found at 2 Found at 1 Found at 2 Found at 1 Found at 2 Found at 1 Found at 2 Found at 1 Found at 2 Found at 1 Found at 2 Found at 1 Found at 2 Found at 1 Found at 2 Found at 2 Found at 1 Found at 2 Fo	·
County Service: Address Reub 202 Rawby, Part Bord Type OF WELL (as per Well Permit Categories) Regulatory Program Requiring Well BCRM CONSULTING FIRMFIELD SUPERVISOR (if applicable) WELL CONSTRUCTION Total depth drilled 20 ft. Well finished to 20 ft. Well finished adove grade If finished above grade If finished above grade, casing height (stick up) above land surface to ft. Was steel protective casing installed? Yes IN No static water level after drilling 5 5 if fater level was measured using Part Stap ce fell was developed for 1 Found at 1 Found at 1 Found at 1 Found at 1 Found at 2 Found at 1 Found at 2 Found at 1 Found at 2 Found at 1 Found at 2 Found at 1 Found at 2 Found at 1 Found at 2 Found at 1 Found at 2 Found at 1 Found at 2 Found at 1 Found at 2 Found at 1 Found at 2 Found at 1 Found at 2 Found at 1 Found at 2 Found at 1 Found at 2 Found at 1 Found at 2 Found at 1 Found at 2 Found at 2 Found at 1 Found at 2 Fo	08869
TYPE OF WELL (as per Well Permit Categories) Regulatory Program Requiring Well SCRA CONSULTING FIRMFIELD SUPERVISOR (if applicable) WELL CONSTRUCTION Total depth drilled 20 ft. Well finished to 20 ft. Borehole diameter: Top (it.) Borehole diameter: Top in. Courte Casing Courte Cas	
Case I.D. # Case I.D. # Case I.D. # Tele. # 20 WELL CONSTRUCTION Total depth drilled 20 ft. Well finished to 20 ft. Borehole diameter: Top	
Consulting Firementation will be seen the completed of the seen that the seen the completed of the seen that the seen the seen that the seen t	ock No
SCONSULTING FIRMFIELD SUPERVISOR (if applicable) WELL CONSTRUCTION Total depth drilled 20 ft. Well finished to 20 ft. Borehole diameter: Top	
WELL CONSTRUCTION Total depth drilled 20 ft. Well finished to 20 ft. Borehole diameter: Top 0 in. Gottom /0 in. Gottom /0 in. Gravel Pack Was steel protective casing installed? Was steel protective casing installed? Was steel protective casing installed? Well was developed for 1 Four at 1 Four at 20 Method of Grouting Mix at 2 Method of development 5 Lib Fach 1 Support 1 Support 1 Support 2 S	
Well finished to 20 ft. Well finished to 20 ft. Borehole diameter: Top 0 in. Gotter Casing (Not Protective Casing) Will flush mounted (Note stot size) If flush mounted (Note stot size)	<u>., 70</u>
Well finished to 20 ft. Well finished to 20 ft. Borehole diameter: Top 0 in. Rottom 10 in. Rottom 10 in. Rottom 20 in. R	
Type and the state of the state	11-212-83
Well finished to	
Borehole diameter: Top	d Materiol
Top //O in. Sottom //O in. Screen (Note Stot size) 3 20 6 PW \$\frac{5}{4}\frac{4}{4}\frac{4}{4}\frac{1}\frac{1}{4}\frac{1}{4}\frac{1}{4}\frac{1}{4}\frac{1}{4}\frac{1}{4}\frac{1}{4}\frac	
Sottom 10 in. (Not Protective Casing) 0 3 6 PUC Sch.	
Screen 3 20 6 PUC SCA	
If finished above grade, casing height (stick up) above land surface	(40
If finished above grade, casing height (stick up) above land surface	0
Annular Seal/Grout Was steel protective casing installed? We say the say of Drilling Company Method of Grouting Method of	1020 Stat
Annular Seal/Grout Was steel protective casing installed? Was steel protective casing installed? Method of Grouting Method	ł
Was steel protective casing installed? Method of Grouting Was steel protective casing installed? Method of Grouting Was Static water level after drilling 5'5" ft. Water level was measured using 1550000 Well was developed for 1 nours at 100000000000000000000000000000000000	
Was steel protective casing installed? Method of Grouting Yes No	X
Static water level after drilling 55" ft. Water level was measured using 1550pe Well was developed for 1 nours at 150 ppm Method of development 50 ppm Was permanent pumping equipment installed? Yes No Pump capacity gpm Pump type: Intilling Method 1 pluma habe Type of Rig 1 perchant 1650 ppm The pump type of Protection used on site (circle one) None (D C B A) J. License No. 931	7
Static water level after drilling 55" ft. Water level was measured using MES(ape Well was developed for 1 hours at 1 may than whethou of development 5 mothers at 1 may than the substitution of the substit	
Well was developed for	
Method of development Submasible Pump Was permanent pumping equipment installed? Yes No Pump capacity gpm rilling Method Air Re Kary rilling Fluid Muma Luke Type of Rig Aerokchi 650 ame of Driller Densy Went vel of Protection used on site (circle one) None OC'B A J. License No. 93	logs and/or
Was permanent pumping equipment installed? Yes No ump capacity gpm ump type: rilling Method Mir Metary rilling Fluid Muma Muma Metary rath and Safety Plan submitted? Yes No vel of Protection used on site (circle one) None (D C B A 1. License No 931	be attached.)
Was permanent pumping equipment installed? Yes No Tump capacity gpm ump type:	.
rilling Method Air Retary rilling Fluid Nama have Type of Rig Reveloti 650 ame of Driller Dunis Y Went ealth and Safety Plan submitted? Yes No vel of Protection used on site (circle one) None D C'B A J. License No. 931 g of Drilling Company SAMARI, STIMBLES ON	7.10
rilling Method	-
rilling Method Air Re Fary rilling Fluid Nama Luke Type of Rig Derkchill 650 ame of Driller Den y Went realth and Safety Plan submitted? Types I No vel of Protection used on site (circle one) None DC'B A 1. License No. 0931 SAMORI STORMART ON	
rilling Fluid Numa habe Type of Rig Aerchoi 650 ame of Driller Dunk V Went rath and Safety Plan submitted? Yes No vel of Protection used on site (circle one) None (D C B A 1. License No. 093	· 1
vel of Protection used on site (circle one) None (DC'B A License No. (93) SAMORI STORING (O)	1
vel of Protection used on site (circle one) None (D C B A J. License No. (93) SAMORE STORMAN (C)	
Vel of Protection used on site (circle one) None (DC'B A 1. License No. 093/ 9 of Drilling Company SAMORI, STOTHORY ON	
License No. 093/ of Drilling Company SANUEL STOTHERS ON	1
9 of Drilling Company SANUEL STOTHER OF THE	1
	- 1
te rules and regulations.	
te rules and regulations.	ı
o = ==================================	
and all applica	able
Driller's Signature Done Wone	

WR-138 M



New Jersey Department of Environmental Protection Division of Water Resources

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MONITORING WELL RECORD

		We	ell Permit No.	25·	38819	
Olivies to sure	•	Atl	as Sheet Coc	rdinates	-38813 <u> </u>	
OWNER IDENTIFICATION - Owner						. 100
Address	BOUTE 202	C DIDIES	5		·	
City	DADTERAN		State	NT	7-0-1	08869
WELL LOCATION If makely	•	_		nu	_ Zip Code	08869
WELL LOCATION - If not the same a County Somest Address Route 202	is owner please give addr	ess. O	vner's Well No	o. MW-	23	
Address Part 202	Municipality	2411 2000		Lot No.		 Block No.
Address / May 202	MARI	TAM HOHO	\$		4	Block No
TYPE OF WELL (as per Well Permit (Categories)		Data		. / -	
TYPE OF WELL (as per Well Permit C Regulatory Program Requiring Well	MONITORING				ed <u>6</u> 7	
CONSULTING FIRM/FIELD SUPERV	(ISOR (if applicable)	2000	Case	I.D. #		
WELL CONCEDUCTION	Z	JUME A	1110012		Tele. #_/	201-769-3942
TIELE CONSTRUCTION		Depth to	Depth to	T		
Total depth drilled <u>80</u> ft.		Top (ft.)	Bottom (ft.	Diameter (inches)		and Material
Well finished to80ft.		[From la	nd surface]	(miches)	.,,,,	and material
Borehole diameter:	Inner Casing		_			
Top <u>///</u> in.	Outer Casing		<u> </u>	 	75.40 2	2011
Jottomin.	(Not Protective Casing)	0	55	6	Start	e Steel
Well was finished: above grade	Screen (Note slot size)	_				20,50
flush mounted	Tail Piece	_	<u> </u>			·
					•	
If finished above grade, casing height (stick up) above land	Gravel Pack		-	-		
surface ft.	Annular Seal/Grout	0	55	_	01111	·
Was steel protective casing installed?	Method of Grouting				Portland Co	pue!
Yes No 46.9		Proson	Geout	W/ Trim	e Live	
Static water level after drilling		CEC	1 0010 1 00	(Copies	of other geo	logic logs and/or
Water level was measured using		050	LOGIC LOG	geophy	sical logs sho	ould be attached.)
Well was developed for 2.5 hour	SCOPE 11	Ì	_			
Method of development Thekencelly.	Sweet St. In all I		<u> </u>	round 5	intace	
Was nermanent oursing and	July July 14	2		٠. س		01/2
Was permanent pumping equipment ins Pump capacitygpm	italied? LYes X No		:	hill		
Pump type:	-			•		51 ~
Drilling Method Air Refory						
Drilling Fluid Pic Type	of Rig Rercher 11 650					H
Name of Driller Deanis Wen		_	\mathcal{L}	ed Sha	1.	
	1.	,-,	n	eu Jha	12	
Level of Protection used on site (circle on			1: '			
^'\\. License No. 09.3/	e) Noue (I) C B A					
	CET CHANGES AN	L				
	ORL STOTHOFF CO.,			 -	80	
I certify that I have drilled the above-r State rules and regulations.	eferenced well in accord	dance with a	all well permi	it requireme	ents and all	applicable

Driller's Signature ______ () are

DWR-138 N	4
12/91	

New Jersey Department of Environmental Protection and Energy Bureau of Water Allocation



		W As	ell Permit No.	<u>-25</u>	-40519
OWNER IDENTIFICATION - Owner Address		A	100 Jieeli C00	ordinates	25 32 485
AddressCity	ORTHO DIAGNOST	IC SYSTO	5		
City	PADTURAL				
	THE CONTRACT OF THE CONTRACT O		State	N.T	Zip Code 08869 ·
THE SAME	36 00000 0000				· · · · · · · · · · · · · · · · · · ·
County Somerset	Municipality	•	wner's Well No	o. <u>MW-MT</u>	
County Somerset Address Same as above TYPE OF WELL (as per Well Permit 4)	RARI	TAN BORO		Lot No.	Block No
TYPE OF WELL (as per Well Permit	Categories)				
Regulatory Program Requiring Well	MONITORING		Date	well complet	ted 1 = /21 / 92
CONSULTING FIRM/FIELD SUPERV	RCRA		Case	I.D. #	
WELL CONSTRUCTION	NOON (if applicable) Dair	nes & Moo	re	<u>:</u>	Tele. # 908-272-8300
		Depth to		T	
Total depth drilled 30 ft.		Top (ft.)	Depth to Bottom (ft.)	Diameter	'
Well finished to 30 ft.		[From la	nd surface]	(inches)	Type and Material
Borehole diameter:	Inner Casing				
Top <u>10</u> in.	Outer Casing		 	-	
Bottomin.	(Not Protective Casing)	. 0	16	6	Sch 40 Steel Casing
Il was finished: above grade	Screen (Note slot size)				To breel casing
X flush mounted	Tail Piece				
If finished above grade, casing	Gravel Pack			-	
neight (stick up) above land			-	-	
surfaceft.	Annular Seal/Grout	o	16		j
Was steel protective casing installed?	Method of Grouting				Portland Cement
L Yes X No		rressure	Grout wi	th Trem	ie Line
Static water level after drilling30_	ft.	GEO	LOGIC LOG	(Copies	of other geologic logs and/or
Water level was measured using M-S.	CODe			geophys	of other geologic logs and/or sical logs should be attached.)
ren was developed for _ hour	c at		0' -		
metriod of development	·	i	-	3' C1	ay
Vas permanent pumping equipment insi	talled? Yes VV No		3' -	4' Sa	nd
ump capacitygpm	100 82 10		4" - (6' Gr	ave1/Sand/Clay
ump type:			6† – . 9		athered Shale
Prilling Method Air Rotary			9' - 30		
rilling Fluid <u>Air</u> Type o	f Rig Driltech D40K		, J() SH	ale
ame of Driller Jim Hall		-			
ealth and Safety Plan submitted?	Yes No	- :	• • •		
evel of Protection used on site (circle one	None DC B A	1			
J. License No1469_	•	ļ			
ame of Drilling CompanySAM	UIL STOTHORE CO	INC			
ify that I have drilled the above-reace rules and regulations.	eferenced well in accord	ance with a	l well permit	requireme	nts and all applicable
	re gano	Hall		. Date	1/20/02
COPIES: White &	, V Green - DEPE Canary - I	Driller Pint	· ^ ~		

DWR-138 M 6/89

New Jersey Department of Environmental Protection Division of Water Resources

9

		V	Vell Permit No.	2	5 365	40	
OWNER IDENTIFICATION O	CCC to make	· A	tlas Sheet Coo	ordinates	25	32	485
OWNER IDENTIFICATION - Owne	ORTHO DIAG	NOTIC SY	STEMS		·	·	t
AddressCity	RARITAN				····		
City			State	NJ-		4051	
WELL LOCATION III					Zip Code	08869	<u> </u>
County Somewet	Municipality	ess. O	wner's Well No	ρ_{-}	· 土		
Address Route 202 Ad	whom Was Tour	<u>RARITAN</u>	BORO	Lot No.	4 1	 Block No	71
County Some 202 Address Route 202 Address Permit	- Thu vasty	/				>>>> 140	
CONSTITUTION FOR THE PARTY OF T	RORA	~	Case I	.D.#	100 _0 100	4170	
SONSOLTING FIRM/FIELD SUPERV	/ISOR (if applicable)	Danes d	Mario				
CONSULTING FIRM/FIELD SUPERV					Tele. # <u>@</u>	?01-272-8	3300
Total depth drilledft.		Depth to	Donth 4-				 -
Well finished to 5 ft.		From low	Bottom (ft.) nd surface]	(inches)		ind Material	
Borehole diameter:	Inner Casing	[i tom lai	ш ѕипасеј		!		
Top 6 in.							-
Bottom 6 in.	Outer Casing (Not Protective Casing)	0	1		4 1 11		
	Screen		1.5		Sch 40 F	102	- 1
was finished: above grade	(Note slot size)	15	5	2	S.440 P.	W.Arrel-	Z^{\dagger}
flush mounted	Tail Piece					CANADAM	
If finished above grade, casing height (stick up) above land	Gravel Pack	.611			. 0 . 1		_
surfaceft.	Annular Seal/Grout	3"	5		#2 brave	<u>.0</u>	l l
Was steel protective casing installed?	Lt. v.	(9	34	=	Lentonite Portland	Me Let	7
Yes No	Method of Grouting	Mixed a	Pourent	11/5	1/ //	mon	
Static water level after daily				W/ Sg	allow Pa	<u>./</u>	ان
Water level was measured using	ft.	GEOL	OGIC LOG	(Copies	of other geological logs should	gic logs and/or	,
Well was developed for flours				gopiiya	ical logs shou	d be attached	<u>.)</u>
Method of development	gpm gpm		. 1			_	1
Was permanent outpoins assistant		- +	round			J. f.	1
Was permanent pumping equipment instructions of the second	alled? Yes X No		,	O	1000	us lace	-∤∙
Pump type:gpm					754		1
Drilling Method Air Refact		1		< · 1	Wi		1
Delite and the second s	- 0 1111	<u>_</u> _l	•	J01	inda		
Name of Driller Dewity Were	Rig Reschdrill 6.	<u>54</u>			170ct		1
Health and Catalon	Yes X No	_		1	7004		1
Level of Protection used on site (circle one)	162 MO			5'	222		
N.J. License No. 093							
Name of Drilling Company	SAMLEL STUTHOFF (D, INC.	•				
/							
y that I have drilled the above-ref State rules and regulations.	erenced well in accordar	nce with all	well permit ro	Ouiso ma			_
				-doitetti6Ui	is and all app	licable	
Driller's Signature	Pere Wene	•		D-1	7/211	100	
COPIES: White & G.	PAGE DED OF -			Date _	427/	7 <i>8</i>	

DEPARTMENT OF CONSERVATION

Division of Water Policy and Supply

Permit No. 25-322 Application No.

25 32, 485 Courts Some
Will broom - Outlit Comprise
() A OWNER THAT MA COLD COLD
Owner's Well No.
Owner's Well No. 1 SURFACE ELEVATION //40 ± Route CO. P
Moule 29, Maritan N T (Above mean sea level)
3. DATE COMPLETED Oct 8, 1948 DRILLED WW. Stathers Co.
Inches Rotton 8
5. CASING: Type Drive Pipe Diameter 8 Inches Length 34'3" 6. SCREEN: Type
(Induing
Range in Depth Top Feet Collins Length Feet
(Bottom Port
Tail piece: DiameterInches 7. WELL FLOWS NATURALLY LengthFeet
7. WELL FLOWS NATURALLY Gallons per Minute at Feet above surface
Water rises toFeet above surface
8. RECORD OF TEST. D
8. RECORD OF TEST: Date Oct 8, 1948 Yield 66 Static water level before pumping 401
Static water level before pumping 40* Pumping level 180* feet below surface
Pumping level 180:
Pumping level 180 feet below surface after 24 Drawdown 40 to 180 Feet Specific Committee
bpecific Capacity
How measured On the
wens.
9. PERMANENT PUMPING EQUIPMENT:
Type?
Type? Capacity Gallons per minute
How Driven Gallons per minute Horse Power R.P.M.
Depth of foot piece in the
Depth of pump in well Feet Depth of foot piece in well Feet 10. USED FOR Air Conditioning
AMOUNT AMOUNT Gallons Daily
136*
or willing.
11. QUALITY OF WATER Taste Odor Color Temperature *F
12. LOGSee_other
(Cine description)
12. LOGSee_other_side (Give details on back of sheet or on separate sheet) SOURCE OF DATAWell Statement 14. DATA OBTAINED BYHI Statement
14. DATA OBTAINED BY HI Stothess
(Note:—Use other side of this sheet for additional information such as log of materials penetrated, analysis of the water, sketch map.

Form 87-5M-HECEIVED

APR 13 1951

& Sedisonite die einement Sectoric & Tap. Survey

DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT Division of Water Policy & Supply

Permit No. 25-87/ Application No.

23.32.983

& Springer 24 Manmant	water Policy & Su	vladi
Seclogic & Top. Survey	WELL RECORD	County Vomer sef
1. OWNER Ortho-Phormacou	Itinal com ADDRESS	25.32.485
Owner's Well No		iten, N.J.
0.100.	SURFACE ELE	VATIONFeet
2. LOCATION Boroug	h-of-Repiton Comman	(Above mean ses level)
3. DATE COMPLETED - April -	73981DRILLER	tother Co. Inc.
4. DIAMETER: Top- 2 Inc	thes Datter	tothore-CoInc
	nob Doctom B Inches	A TOTAL DEPOSE
drive bibe	Diameter	-Inches Longth
o. Boltelly. TypeOpening	10	i .
Range in Depth	Feet Geologic Format	Inches Length Feet
Toil pieces Di	Feet	ion
	* - ~ = = 111U/1PS	
7. WELL FLOWS NATURALLY Water rises to	Gallons per Minute at	LengthFeet
Water rises to	- The state of the	Feet above surface
Water rises to	Feet above surface	
8. RECORD OF TEST: DateApr. Static water level before pumping	11-7, 1951 Yield	160 Callan
	54	
Pumping level12	feet helow and	Feet below surface
Drawdown	G	Feet below surface hours pumping
	Specific Capacity	Cala man
- uz vzito	HOW more 1	6 . • • •
Observed effect on nearby wells		
9. PERMANENT PUMPING EQUIPM	TENT.	
TypeBanhine		
TypeTurbine-pump	Capacity100	Gallons per minute
	FOR Horse Power 15	
FP Well200	Feet Depth of foot mines	
10. USED FORAir_condition	ing-Industrial (Wen Feet
	AMOUNT Average	Gallons Daily
	Marin	
11. QUALITY OF WATER	Somple 3	Ganons Dany
Taste Odor nor	Color -	tes No.
Taste Odor Dor	Clear T	emperature: 52 °F
) See other si	.de	A
14. DATA OBTAINED BY H.J	Stathage	
/\tag{\tag{\tag{\tag{\tag{\tag{\tag{	- DATE	Annilla lace

(Note: Use other side of this sheet for additional information such as log of materials

DATE April 9, 1951

Form 87-5M

DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT Division of Water Policy & Supply WELL RECORD

Permit No. 25-5/25
Application No
County
5.32 180

1. OWNER Ortho Pharmacentical Corp. ADDRESS Route 202 Raritan, N.J. Owner's Tell No. Deepening No 1 well SURFACE ELEVATION Raritan, Township Bridgewater Twp, N.J. 3. DATE COMPLETED Dec 8,1955 DRILLER Wm. Stothoff Co. Lie From 400' to 10 to 1		" ZEE KECOKD	0 = 00 :
Owner's Well No. Deepening No 1 well SURFACE ELEVATION Peepening No 1 well SURFACE ELEVATION Peepening No 1 well SURFACE ELEVATION Peepening No 1 well SURFACE ELEVATION Peepening No 1 well SURFACE ELEVATION Peepening Peepening No 1 well SURFACE ELEVATION Peepening Peepening No 1 well Surface was sea level) 2. LOCATION Raritan, Township Eridgewater Two, N.J. 3. DATE COMPLETED Dec 8,1955 DRILLER Wm. Stothoff Co. Ind. Township Eridgewater Two, N.J. 4. DIAMETER: Top 18 Inches Bottom 8 Inches Deepening Total DEPTH 7000 Feet Deepening Diameter Inches Length Peet Size of Geologic Formation Peet Bottom Feet Geologic Formation Peet Range in Depth Top Peet Geologic Formation Peet Range in Depth Top Peet Bottom Peet Range in Depth Geologic Formation Peet Range in Depth Geologic Formation Peet Range in Depth Geologic Formation Peet Range in Depth Geologic Formation Peet Range in Depth Geologic Formation Peet Range in Depth Geologic Formation Peet Range in Depth Geologic Formation Peet Range in Depth Geologic Formation Peet Range in Depth Geologic Formation Peet Range in Depth Geologic Formation Peet Range in Depth Geologic Formation Peet Range in Depth Geologic Formation Peet Range in Depth Geologic Formation Peet Range in Depth Geologic Formation Peet Range in Depth Geologic Formation Peet Range in Depth Geologic Formation Peet Depth Geologic Formation Peet Range in Depth Geologic Formation Peet Depth			25.32.485
2. LOCATION Raritan, Township Bridgewater Two, N.J. 3. DATE COMPLETED Dec 8, 1955 DRILLER Wm. Stothoff Co. Inc. 4. DIAMETER: Top 8 Inches Bottom 8 Inches TOTAL DEPTH 700 Feet 5. CASING: Type Deepened from 4001 to 1071	1 OWNER O	•	
2. LOCATION Raritan, Township Bridgewater Two, N.J. 3. DATE COMPLETED Dec 8, 1955 DRILLER Wm. Stothoff Co. Inc. 4. DIAMETER: Top 8 Inches Bottom 8 Inches TOTAL DEPTH 700 Feet 5. CASING: Type Deepened from 4001 to 1071	2. OWNER Ortho Pharmaceuti	cal Corn ADDRESS	
2. LOCATION Raritan, Township Bridgewater Two, N.J. 3. DATE COMPLETED Dec 8, 1955 DRILLER Wm. Stothoff Co. Inc. 4. DIAMETER: Top 8 Inches Bottom 8 Inches TOTAL DEPTH 700 Feet 5. CASING: Type Deepened from 4001 to 1071	Owner's Well No. Deepening	No l well	Route 202 Raritan N.J
3. DATE COMPLETED Dec 8,1955 DRILLER Wm. Stothoff Co. Inc. Deepened from 400' to Deepene	i i	DOMENCE ELEC	VATION
3. DATE COMPLETED Dec 8,1955 DRILLER Wm. Stothoff Co. Inc. Deepened from 400' to Deepene	2. LOCATION Rariton	Town -	(Above mean sea level)
4. DIAMETER: Top 8 Inches Bottom 8 Inches TOTAL DEPENDENT From 400' to Depended From 400	3 DAME COMPANY	Township Bridgewater T	wp. N.J.
6. SCREEN: Type Opening Diameter Inches Length Feet Range in Depth Top Feet Bottom Feet Range in Depth Bottom Feet Tail piece. Diameter Inches Length Feet 7. WELL FLOWS NATURALLY Gallons per Minute at Feet above surface Water rises to Feet above surface RECORD OF TEST: Date Dec 5, 1955 Yield 205 Gallons per minute static water level before pumping 401 Feet below surface Pumping level 188 feet below surface after 8 hours pumping Drawdown 1481 Feet Specific Capacity Gals. per min. per ft. of drawdown How Pumped Turbine How measured Orifice Observed effect on nearby wells none 9. PERMANENT PUMPING EQUIPMENT: Type Original pump installed Capacity Gallons per minute How Driven Horse Power R.P.M. Depth of Air Line in well Feet Depth of Foot piece in well Feet Depth of Air Line in well Gallons Daily AMOUNT Average Gallons Daily AMOUNT Average Gallons Daily 1. QUALITY OF WATER See other side Average Are samples available? no SOURCE OF DATA Well Statement. DATA OBTAINED BY U.J. Stothoff DATE Dec 27, 1955	o. DATE COMPLETED Dec 8,1	955 DRILLER W. C.	
6. SCREEN: Type Opening Diameter Inches Length Feet Range in Depth Top Feet Bottom Feet Range in Depth Bottom Feet Tail piece. Diameter Inches Length Feet 7. WELL FLOWS NATURALLY Gallons per Minute at Feet above surface Water rises to Feet above surface RECORD OF TEST: Date Dec 5, 1955 Yield 205 Gallons per minute static water level before pumping 401 Feet below surface Pumping level 188 feet below surface after 8 hours pumping Drawdown 1481 Feet Specific Capacity Gals. per min. per ft. of drawdown How Pumped Turbine How measured Orifice Observed effect on nearby wells none 9. PERMANENT PUMPING EQUIPMENT: Type Original pump installed Capacity Gallons per minute How Driven Horse Power R.P.M. Depth of Air Line in well Feet Depth of Foot piece in well Feet Depth of Air Line in well Gallons Daily AMOUNT Average Gallons Daily AMOUNT Average Gallons Daily 1. QUALITY OF WATER See other side Average Are samples available? no SOURCE OF DATA Well Statement. DATA OBTAINED BY U.J. Stothoff DATE Dec 27, 1955	4. DIAMETER: Top_ 8 Inches	Pott.	othorf Co. Inc.
6. SCREEN: Type Opening Diameter Inches Length Feet Range in Depth Top Feet Bottom Feet Range in Depth Bottom Feet Tail piece. Diameter Inches Length Feet 7. WELL FLOWS NATURALLY Gallons per Minute at Feet above surface Water rises to Feet above surface RECORD OF TEST: Date Dec 5, 1955 Yield 205 Gallons per minute static water level before pumping 401 Feet below surface Pumping level 188 feet below surface after 8 hours pumping Drawdown 1481 Feet Specific Capacity Gals. per min. per ft. of drawdown How Pumped Turbine How measured Orifice Observed effect on nearby wells none 9. PERMANENT PUMPING EQUIPMENT: Type Original pump installed Capacity Gallons per minute How Driven Horse Power R.P.M. Depth of Air Line in well Feet Depth of Foot piece in well Feet Depth of Air Line in well Gallons Daily AMOUNT Average Gallons Daily AMOUNT Average Gallons Daily 1. QUALITY OF WATER See other side Average Are samples available? no SOURCE OF DATA Well Statement. DATA OBTAINED BY U.J. Stothoff DATE Dec 27, 1955	5 CASING T	Bottom8Inches	TOTAL DEPTH 700 Total
SCREEN: Type Opening Diameter Inches Length Feet Range in Depth {	o. CASING: Type	Diameter	Inchesreet
Tail piece. Diameter	6 SCREEN Size of		LengthFeet
Tail piece. Diameter	Opening_	Diameter	To all the second
Tail piece. Diameter	Top	P- /	Inches LengthFeet
7. WELL FLOWS NATURALLY Gallons per Minute at Feet above surface Water rises to Feet above surface RECORD OF TEST: Date Dec 5, 1955 Yield 205 Gallons per minute Static water level before pumping 40! Feet below surface Pumping level 188 feet below surface after 8 hours pumping Drawdown 148! Feet Specific Capacity Gals. per min. per ft. of drawdown How Pumped Turbline How measured Orifice Observed effect on nearby wells none 9. PERMANENT PUMPING EQUIPMENT: Type Original pump installed Capacity Gallons per minute How Driven Horse Power R.P.M. Depth of pump in well Feet Depth of Foot piece in well Feet Depth of Air Line in well Feet Type of Meter on Pump 0. USED FOR Industrial AMOUNT AMOUNT AMOUNT Average Gallons Daily AMOUNT Average Gallons Daily Average Temperature 55 Or Capacity Temperature 55 Or Average Temperature 55 Or Are samples available? no SOURCE OF DATA Well Statement. DATA OBTAINED BY U.J. Stathoff DATE Dec 27, 1955	Range in Depth	Feet Geologic Formatio	n Barren ag
Water rises to	Tail piece Di-	Feet	
Water rises to	rail piece. Diameter	Inches Length	Foot
RECORD OF TEST:Date Dec 5, 1955 Yield 205 Gallons per minute Static water level before pumping 40! Feet below surface after 8 hours pumping Drawdown 148! Feet Specific Capacity Gals. per min. per ft. of drawdown How Pumped Turbine How measured Orifice Observed effect on nearby wells none 9. PERMANENT PUMPING EQUIPMENT: Type Original pump installed Capacity Gallons per minute How Driven Horse Power R.P.M. Depth of pump in well Feet Depth of Foot piece in well Feet Depth of Air Line in well Feet Type of Meter on Pump 0. USED FOR Industrial AMOUNT Average Gallons Daily AMOUNT Sample: Yes No. Taste none Odor hone color clear Temperature 55 OF See other side Are samples available? no SOURCE OF DATA Well Statement. DATA OBTAINED BY U. J. Stothoff DATE Dec 27, 1955	" "LLL FLOWS NATURALLY	Coller	. reet
RECORD OF TEST:Date Dec 5, 1955 Yield 205 Gallons per minute Static water level before pumping 40! Feet below surface after 8 hours pumping Drawdown 148! Feet Specific Capacity Gals. per min. per ft. of drawdown How Pumped Turbine How measured Orifice Observed effect on nearby wells none 9. PERMANENT PUMPING EQUIPMENT: Type Original pump installed Capacity Gallons per minute How Driven Horse Power R.P.M. Depth of pump in well Feet Depth of Foot piece in well Feet Depth of Air Line in well Feet Type of Meter on Pump 0. USED FOR Industrial AMOUNT Average Gallons Daily AMOUNT Sample: Yes No. Taste none Odor hone color clear Temperature 55 OF See other side Are samples available? no SOURCE OF DATA Well Statement. DATA OBTAINED BY U. J. Stothoff DATE Dec 27, 1955	Water rises to	darions per minute at	Feet above surface
Pumping level 188 feet below surface after 8 hours pumping Drawdown 148! Feet Specific Capacity Gals. per min. per ft. of drawdown How Pumped Turbine How measured Orifice Observed effect on nearby wells none 9. PERMANENT PUMPING EQUIPMENT: Type Original pump installed Capacity Gallons per minute How Driven R.P.M. Depth of pump in well Feet Depth of Foot piece in well Feet Depth of Air Line in well Feet Type of Meter on Pump 0. USED FOR Industrial AMOUNT AMOUNT AMOUNT Gallons Daily 1. QUALITY OF WATER Sample: Yes No. Taste none Odor hone Color clear Temperature 55 op (Give details on back of sheet or on separate sheet) SOURCE OF DATA Well Statement. DATA OBTAINED BY U.J. Stothoff DATE Dec 27, 1955	PECOPD OF THE	Feet above surface	
Pumping level 188 feet below surface after 8 hours pumping Drawdown 148! Feet Specific Capacity Gals. per min. per ft. of drawdown How Pumped Turbine How measured Orifice Observed effect on nearby wells none 9. PERMANENT PUMPING EQUIPMENT: Type Original pump installed Capacity Gallons per minute How Driven R.P.M. Depth of pump in well Feet Depth of Foot piece in well Feet Depth of Air Line in well Feet Type of Meter on Pump 0. USED FOR Industrial AMOUNT AMOUNT AMOUNT Gallons Daily 1. QUALITY OF WATER Sample: Yes No. Taste none Odor hone Color clear Temperature 55 op (Give details on back of sheet or on separate sheet) SOURCE OF DATA Well Statement. DATA OBTAINED BY U.J. Stothoff DATE Dec 27, 1955	TEST: DateDec_	5,1955 Yield 2	05
Pumping level 188 feet below surface after 8 hours pumping Drawdown 148! Feet Specific Capacity Gals. per min. per ft. of drawdown How Pumped Turbine How measured Orifice Observed effect on nearby wells none 9. PERMANENT PUMPING EQUIPMENT: Type Original pump installed Capacity Gallons per minute How Driven R.P.M. Depth of pump in well Feet Depth of Foot piece in well Feet Depth of Air Line in well Feet Type of Meter on Pump 0. USED FOR Industrial AMOUNT AMOUNT AMOUNT Gallons Daily 1. QUALITY OF WATER Sample: Yes No. Taste none Odor hone Color clear Temperature 55 op (Give details on back of sheet or on separate sheet) SOURCE OF DATA Well Statement. DATA OBTAINED BY U.J. Stothoff DATE Dec 27, 1955	Static water level before pumping	401	Gallons per minute
Drawdown 1481 Feet Specific Capacity Gals. per min. rer ft. of drawdown How Pumped Turbine How measured Orifice Observed effect on nearby wells none 9. PERMANENT PUMPING EQUIPMENT: Type Original pump installed Capacity Gallons per minute How Depth of pump in well Feet Depth of Foot piece in well Feet Depth of Air Line in well Feet Type of Meter on Pump 0. USED FOR Industrial AMOUNT AMOUNT AMOUNT AMOUNT AMOUNT Sample: Yes No. Taste none Odor hone Color clear Temperature 55 or Original pump installed Capacity Gallons Daily AMOUNT Amount Amount Amount Amount Color Clear Temperature 55 or Original pump installed Capacity Gallons Daily Amount Amount Amount Amount Color Clear Temperature 55 or Original pump installed Capacity Gallons per minute Dec 27, 1955	Pumping level 188		Feet below surface
How Pumped Turbine How measured Orifice Observed effect on nearby wells none 9. PERMANENT PUMPING EQUIPMENT: Type Original pump installed Capacity Gallons per minute How Driven Horse Power R.P.M. Depth of pump in well Feet Depth of Foot piece in well Feet Depth of Air Line in well Feet Type of Meter on Pump 0. USED FOR Industrial AMOUNT AMOUNT AMOUNT AMOUNT AMOUNT AMOUNT Capacity Gallons per minute Horse Power R.P.M. Peet Type of Meter on Pump AMOUNT AMOUNT AMOUNT Capacity Gallons per minute Average R.P.M. Feet Type of Meter on Pump Callons Daily Amount Capacity Gallons per minute Depth of Foot piece in well Feet Type of Meter on Pump Callons Daily Amount Capacity Amount Feet Type of Meter on Pump Callons Daily Amount Capacity Amount Feet Type of Meter on Pump Callons Daily Amount Capacity Amount Feet Are samples available? no Source Of Data Well Statement. Data Obtained By U.J. Stothoff Date Dec 27, 1955	Drawdown1481	Sold Surface after	8 hours pumping
Observed effect on nearby wells	How Pumped There's	Specific CapacityC	lals. per min. per ft of drawday
9. PERMANENT PUMPING EQUIPMENT: TypeOriginal pump installed			
Type Original nump installed Capacity Gallons per minute How Driven Horse Power R.P.M. Depth of pump in well Feet Depth of Foot piece in well Feet Depth of Air Line in well Feet Type of Meter on Pump 0. USED FOR Industrial AMOUNT AMOUNT Maximum Gallons Daily 1. QUALITY OF WATER Sample: Yes No. Taste none Odor hone Color clear Temperature 55 or C. LOG See other side Are samples available? no SOURCE OF DATA Well Statement. DATA OBTAINED BY U. J. Stothoff DATE Dec 27, 1955	Observed effect on nearby wells _		7 ± ± ± ± 0 €
Type Original nump installed Capacity Gallons per minute How Driven Horse Power R.P.M. Depth of pump in well Feet Depth of Foot piece in well Feet Depth of Air Line in well Feet Type of Meter on Pump 0. USED FOR Industrial AMOUNT AMOUNT Maximum Gallons Daily 1. QUALITY OF WATER Sample: Yes No. Taste none Odor hone Color clear Temperature 55 or C. LOG See other side Are samples available? no SOURCE OF DATA Well Statement. DATA OBTAINED BY U. J. Stothoff DATE Dec 27, 1955	9. PERMANENT PHADING FOURTH	none	
Depth of pump in well Feet Depth of Foot piece in well Feet Type of Meter on Pump Gallons Daily AMOUNT \ AMOUNT \ AMOUNT \ AMOUNT \ Maximum Gallons Daily Maximum Gallons Daily Maximum Gallons Daily Maximum Gallons Daily LOG See other side No			
Depth of pump in well Feet Depth of Foot piece in well Feet Type of Meter on Pump Gallons Daily AMOUNT \ AMOUNT \ AMOUNT \ AMOUNT \ Maximum Gallons Daily Maximum Gallons Daily Maximum Gallons Daily Maximum Gallons Daily LOG See other side No	War Date	lled Capacity	
Depth of Air Line in well Feet	now Driven	Horse B.	Gallons per minute
Depth of Air Line in well Feet	Depth of pump in well	Feet Donth C -	R. P. M.
O. USED FOR	Depth of Air Line in well	Beet Depth of Foot piece i	n wellFeet
AMOUNT AMOUNT AMOUNT Maximum	O. HSED FOR THE	Type of Meter on Pump	
AMOUNT Maximum	Thoustriel	(Average	
Maximum			Gallons Daily
Sample: Yes		OON 1	
See other side (Give details on back of sheet or on separate sheet) SOURCE OF DATA	1. QUALITY OF WATER	· maximum	Gallons Daily
See other side (Give details on back of sheet or on separate sheet) SOURCE OF DATA	Tastenone	Sample: Ye	esNo.
SOURCE OF DATA Well Statement. DATA OBTAINED BY J_Stothoff DATE Dec 27.1955	Odor	hone Colorclear	Temperature
DATA OBTAINED BY DATE Dec 27.1955	See other	r side	
DATA OBTAINED BY DATE Dec 27.1955	toive details on back of she	et or on separate sheet)	_ Are samples available?_no
DATA OBTAINED BY DATE Dec 27.1955			
(Note: Use other side of this sheet for additional information such as 100.00.			
(Note: Use other side of this sheet for additional information such as local decision and the state of the sheet for additional information such as local decisions.)	DIAINED BY	thoff DATE	D
water, sketch Rap, sheets for additional information such as longer	(Note: Harris		Dec 27,1955
	water, sketch map, shoth as the for additi	onal information such as low of	· /

C 25 32 485

DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT DIVISION OF WATER POLICY & SUPPLY

Permit N	o. <u>25</u>	1515	73
Applicat	ion No.	425	- 2a
County			

WELL RECORD

32 31 482

Replacement for Well	45 15163
	ADDRESS <u>Route 202</u> , <u>Raritan</u> , N. J. 08869
Owner's Well No. No. 1	SURFACE FLEVATION
2. LOCATION Registron	SURFACE ELEVATION (Above mean sea level)
- Inches Rottom	8
5. CASING: Type Std. Steel - P.E.	8 Inches TOTAL DEPTH 622 Feet Diameter 8 Inches Length 50 Feet
6. SCRFFN: Type Name Size of	Diameter 8 Inches Length 50 Feet Diameter Inches Length Feet
Range in Depth { Top Feet Bottom Feet Tail piece: Diameter Jacks	LengthFeet
Bottom	Geologic Formation
Tail Diece: Diameter	
Water rises toFeet	above surface
"LOUND OF IESI: DateApril 9. 1960	
Static water level before numeion	Yield 285 Gallons per minute
Pumping level 765	Yield 285 Gallons per minute 50 Feet below surface
Drawdow 335	surface after 8 hours pumping
Feet Specific (GapacityGals. per min. per ft. of drawdown
How Pumped Turbine Pump Observed effect on nearby wells	How many per min. per ft. of drawdown
Observed effect on nearby wells Non	orifice
9. PERMANENT PUMPING EQUIPMENT:	e observed
- 10 11 11 1	
Туре	
Туре	s. Name
Type Mfrs Capacity G.P.M. How D.	
Type Mfrs Capacity G.P.M. How Driv Depth of Pum in well Feet Der	/en H.P R.P.M
Type Mfrs Capacity G.P.M. How Driv Depth of Pum in well Feet Der	/en H.P R.P.M
Type Mfrs Capacity G.P.M. How Driv Depth of Pum in well Feet Dep Depth of Air Line in well Feet Ty	oth of Footpiece in well Feet pe of Meter on Pump SizeInches
Type Mfrs Capacity G.P.M. How Driv Depth of Pum in well Feet Dep Depth of Air Line in well Feet Ty 10. USED FOR Industrial	oth of Footpiece in well Feet pe of Meter on Pump SizeInches
Type Mfrs Capacity G.P.M. How Driv Depth of Pum in well Feet Dep Depth of Air Line in well Feet Type 10. USED FOR Industrial	AMOUNT H.P R.P.M Feet Pe of Meter on Pump SizeInches AMOUNT Maximum
Type Mfrs Capacity G.P.M. How Driv Depth of Pum in well Feet Dep Depth of Air Line in well Feet Ty 10. USED FOR Industrial 11. QUALITY OF WATER Good	AMOUNT Average Gallons Daily
Type Mfrs Capacity G.P.M. How Driv Depth of Pum in well Feet Dep Depth of Air Line in well Feet Ty 10. USED FOR Industrial 11. QUALITY OF WATER Good Taste	AMOUNT A sample: Yes No N.P.M Property of the of Footpiece in well Feet Feet SizeInches Gallons Daily Maximum Gallons Daily
Type Mfrs Capacity G.P.M. How Driv Depth of Pum in well Feet Dep Depth of Air Line in well Feet Ty 10. USED FOR Industrial 11. QUALITY OF WATER Good Taste	AMOUNT A sample: Yes No N.P.M Property of the of Footpiece in well Feet Barbara R.P.M Feet Feet SizeInches Gallons Daily Maximum Gallons Daily
Type	AMOUNT Sample: Yes No
Type	AMOUNT Sample: Yes No
Type	AMOUNT Sample: Yes No OF Are samples available? No No Are samples available? No
Type	The samples available? H.P. R.P.M. Feet Peet Peet AMOUNT Average

DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT DIVISION OF WATER POLICY & SUPPLY

Permit No. 25 11, 673
Application No. A25-29
County

WELL RECORD

		25,33, A35
i. OWNER Ortho Pharmaceutical com-	· ·	25/11673
i. OWNER Ortho Pharmaceutical Corp. Rehabilitation of Owner's Well No. #2	ADDRESSRari	tan, N. J.
Owner's Well No. #2 2. LOCATION	SURFACE ELEVATION	N ·
2. LOCATION		(Above mean sea level) Fee
3. DATE COMPLETED Jan. 4, 1964 4. DIAMETER: top 8 Inches Potter	_ DRILLER Wm. S	tothoff Co. 1
4. DIAMETER: top 8 Inches Bottom	8 100	tothorico., inc.
4. DIAMETER: top 8 Inches Bottom 5. CASING: Type Size of	"Triches To	TAL DEPTH <u>601</u> Feet
6. SCREEN: Type Size of Opening	Diameterinc	hes LengthFact
	N:	
Range in Depth { TopFee BottomFee Tail piece: Diameter		nes LengthFeet
Rotton	Geologic Formation	
(Bottom Fee	et	
		Feet
Water rises toFe	per minute at	Feet above surface
RECORD OF TEST. D.	et above surface	
Jan. 2, 1964		Colle
Static water level before pumping Pumping level	86	dations per minute
B .		Faal I
Drawdown 92 Feet Specific	w surface after 8	hours pumping
Drawdown 92 Feet Specific	w surface after8	hours pumping
Drawdown 92 Feet Specific How Pumped Turbine pump Observed effect on nearby wells	w surface after8	hours pumping
Drawdown 92 Feet Specific How Pumped Turbine pump Observed effect on nearby wells	w surface after8	hours pumping
Drawdown 92 Feet Specific How Pumped <u>Turbine pump</u> Observed effect on nearby wells PERMANENT PUMPING EQUIPMENT:	w surface after <u>8</u> c Capacity <u>Gals.</u> How measured _	hours pumping per min. per ft. of drawdown Orifice
Drawdown 92 Feet Specific How Pumped <u>Turbine pump</u> Observed effect on nearby wells PERMANENT PUMPING EQUIPMENT: Type	w surface after 8 Capacity Gals. How measured free Name	hours pumping per min. per ft. of drawdown Orifice
Drawdown 92 Feet Specific How Pumped Turbine pump Observed effect on nearby wells PERMANENT PUMPING EQUIPMENT: Type	w surface after 8 Capacity Gals. How measured frs. Name	hours pumping per min. per ft. of drawdown Orifice
Drawdown	w surface after 8 c Capacity Gals. How measured frs. Name riven H.	hours pumping per min. per ft. of drawdown Orifice R.P.M.
Drawdown 92 Feet Specific How Pumped Turbine pump Observed effect on nearby wells PERMANENT PUMPING EQUIPMENT: Type M Capacity G.P.M. How D Depth of Pump in well Feet	w surface after 8 c Capacity Gals. How measured frs. Name riven H.	hours pumping per min. per ft. of drawdown Orifice R.P.M.
Drawdown	w surface after 8 c Capacity Gals. How measured frs. Name H. I Depth of Footpiece in we Type of Meter on Pump	hours pumping per min. per ft. of drawdown Orifice R.P.M.
Drawdown	W surface after 8 C Capacity Gals. How measured frs. Name H. I Depth of Footpiece in we Type of Meter on Pump	hours pumping per min. per ft. of drawdown Orifice P R.P.M Feet SizeInches
Drawdown	w surface after 8 c Capacity Gals. How measured frs. Name H. I Depth of Footpiece in we Type of Meter on Pump AMOUNT Average AMOUNT	hours pumping per min. per ft. of drawdown Orifice P R.P.M ell Feet SizeInchesGallons Daily
Drawdown	w surface after 8 c Capacity Gals. How measured frs. Name H. I Depth of Footpiece in we Type of Meter on Pump AMOUNT Average AMOUNT	hours pumping per min. per ft. of drawdown Orifice P R.P.M ell Feet SizeInchesGallons Daily
Drawdown	w surface after 8 c Capacity Gals. How measured frs. Name H. Depth of Footpiece in we Type of Meter on Pump AMOUNT Average Maximum Sample: Ye	hours pumping per min. per ft. of drawdown Orifice R.P.M. Feet Size_Inches Gallons Daily Gallons Daily
Drawdown	w surface after 8 c Capacity Gals. How measured frs. Name H. Depth of Footpiece in we Type of Meter on Pump AMOUNT Average Maximum Sample: Ye	hours pumping per min. per ft. of drawdown Orifice R.P.M. Feet Size_Inches Gallons Daily Gallons Daily
Drawdown	w surface after 8 c Capacity Gals. How measured frs. Name H. Depth of Footpiece in we Type of Meter on Pump AMOUNT Average Maximum Sample: Ye	hours pumping per min. per ft. of drawdown Orifice R.P.M. Feet Size_Inches Gallons Daily Gallons Daily
Drawdown 92 Feet Specific How Pumped Turbine pump Observed effect on nearby wells PERMANENT PUMPING EQUIPMENT: Type	w surface after 8 c Capacity Gals. How measured frs. Name H.! Depth of Footpiece in we Type of Meter on Pump AMOUNT { Average Maximum Sample: Ye Color Clear Parate sheet. If electric	hours pumping per min. per ft. of drawdown Orifice R.P.M. Feet Size_Inches Gallons Daily Gallons Daily
Drawdown 92 Feet Specific How Pumped Turbine pump Observed effect on nearby wells PERMANENT PUMPING EQUIPMENT: Type	w surface after 8 c Capacity Gals. How measured frs. Name H.! Depth of Footpiece in we Type of Meter on Pump AMOUNT { Average Maximum Sample: Ye Color Clear Parate sheet. If electric in a sixisting well = 2	hours pumping per min. per ft. of drawdown Orifice R.P.M. Feet Size_Inches Gallons Daily Gallons Daily Feet No. Temp. OF les available? Od was made, viease
Drawdown 92 Feet Specific How Pumped Turbine pump Observed effect on nearby wells PERMANENT PUMPING EQUIPMENT: Type	w surface after 8 c Capacity Gals. How measured frs. Name H.! Depth of Footpiece in we Type of Meter on Pump AMOUNT { Average Maximum Sample: Ye Color Clear Parate sheet. If electric in a sixisting well = 2	hours pumping per min. per ft. of drawdown Orifice R.P.M. Feet Size_Inches Gallons Daily Gallons Daily Feet No. Temp. OF les available? Od was made, viease

FORM 87

DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT DIVISION OF WATER POLICY & SUPPLY

25.32.4.8.50
Permit No. 25-8022
Application Ho.
County

WELL	RECORD
------	--------

25 32.485

۱.	• OWNER Ortho Phar-accutical Corp	25.8022
	Owner's Well No. Deepening #4 well SURFACE ELEVATI LOCATION Raritan, Somerset Co. N.J.	Raritan, N.J.
2.	SURFACE ELEVATI	ONFe
3.	DRILLED Wm Stations	o. Inc.
4.	Bottom 12 Inches	A= 1.
5.	DIAMETER: top 12 Inches Bottom 12 Inches T CASING: Type	
	Range in Depth Top Feet Bottom Feet Tail piece: Diameter Inches	ches LengthFee
	BottomFeet Geologic Formation	
	Tail piece: DiameterInches Length	
1		
	WELL FLOWS NATURALLY Gallons per Minute at Water rises to Feet above surface	Feet above surface
	RECORD OF TEST: Date Nov 18-19 1008	
9)	RECORD OF TEST: Date Nov 18-19, 1058 Yield 2 Static water level before pumping 85 Pumping level 104 feet below	57 Gallons per minute
	Pumping level 104 feet below as f	Feet below surface
-	Drawdown 191 Feet Specific Capacit	24 hours pumping
	Drawdown 191 Feet Specific Capacity Gals. How Pumped Turbine	per min. per ft. of drawdown
	Drawdown 191 Feet Specific Capacity Gals. How Pumped Turbine How measured Observed effect on nearby wells	per min. per ft. of drawdown
	Drawdown 191 Feet Specific Capacity Gals. How Pumped Turbine How measured Deserved effect on nearby wells PERMANENT PUMPING EQUIPMENT:	Per min. per ft. of drawdown Orifice
	Drawdown 19: Feet Specific Capacity Gals. How Pumped Turbine How measured Observed effect on nearby wells PERMANENT PUMPING EQUIPMENT: Type Turbine numb Mfrs. Name Fairbarks	per min. per ft. of drawdown Orifice
	Drawdown 19: Feet Specific Capacity Gals. How Pumped Turbine How measured Observed effect on nearby wells PERMANENT PUMPING EQUIPMENT: Type Turbine numb Mfrs. Name Fairbarks	per min. per ft. of drawdown Orifice
	Drawdown 191 Feet Specific Capacity Gals. How Pumped Turbine How measured Observed effect on nearby wells PERMANENT PUMPING EQUIPMENT: Type Turbine numb Mfrs. Name Fairbanks Same numb installed that was pulled out of well Capacity G.P.M. How Driven	hours pumping per min. per ft. of drawdown Orifice Morse
	Drawdown 191 Feet Specific Capacity Gals. How Pumped Turbine How measured Observed effect on nearby wells PERMANENT PUMPING EQUIPMENT: Type Turbine numb Mfrs. Name Fairbanks Same numb installed that was pulled out of well Capacity G.P.M. How Driven H Depth of Pump in well Feet Depth of Footsing installed in the capacity Feet Depth of Footsing in the capacity is a capacity for some installed in the capacity is a capacity for some installed in the capacity is a capacity for some installed in the capacity is a capacity for some installed in the capacity is a capacity for some installed in the capacity is a capacity for some installed in the capacity is a capacity for some installed in the capacity is a capacity for some installed in the capacity for some installed in th	hours pumping per min. per ft. of drawdown Orifice Morse R.P.M.
	Drawdown 191 Feet Specific Capacity Gals. How Pumped Turbine How measured Observed effect on nearby wells PERMANENT PUMPING EQUIPMENT: Type Turbine nump Mfrs. Name Fairbanks Same pump installed that was pulled out of well Capacity G.P.M. How Driven H Depth of Pump in well Feet Depth of Footpiece in the capacity of Air Line in well Feet Type of Meter on Pump	hours pumping per min. per ft. of drawdown Orifice Morse P R.P.M
	Drawdown 191 Feet Specific Capacity Gals. How Pumped Turbine How measured Observed effect on nearby wells PERMANENT PUMPING EQUIPMENT: Type Turbine nump Mfrs. Name Fairbanks Same pump installed that was pulled out of well Capacity G.P.M. How Driven H Depth of Pump in well Feet Depth of Footpiece in the capacity of Air Line in well Feet Type of Meter on Pump	hours pumping per min. per ft. of drawdown Orifice Morse P R.P.M
	Feet Specific Capacity Gals.	hours pumping per min. per ft. of drawdown Orifice Morse R.P.M. Fee: Sizeinches Gallons Daily Gallons Daily
	Feet Specific Capacity Gals.	hours pumping per min. per ft. of drawdown Orifice Morse R.P.M. Feet SizeInches Gallons Daily Gallons Daily No
	Feet Specific Capacity Gals.	hours pumping per min. per ft. of drawdown Orifice Morse R.P.M. Feet SizeInches Gallons Daily Gallons Daily No
	Feet Specific Capacity Gals.	hours pumping per min. per ft. of drawdown Orifice Morse R.P.M. Feet SizeInches Gallons Daily Gallons Daily No
	Feet Specific Capacity Gals.	hours pumping per min. per ft. of drawdown Orifice Morse P R.P.M well Fee: Size Inches Gallons Daily Gallons Daily Gallons Daily Temp CF Iples available? CF Iod was made, please
	Feet Specific Capacity Gals.	hours pumping per min. per ft. of drawdown Orifice Morse P R.P.M well Fee: Size Inches Gallons Daily Gallons Daily Gallons Daily Temp CF Iples available? CF Iod was made, please



MONITORING WELL RECORD

		•	. ~ L L 11L C	UND	
OWNER IDENTIFICATION O	·		Well Permit No Atlas Sheet Co	o. 25	
OWNER IDENTIFICATION - Own Address	er_ SUN_REFINING & 1	MARKETIN	<u>.</u>		25 : 32 : 485
City	PHILADRI, PHILA				
			_ State P	'A	Zip Code
WELL LOCATION - If not the same County Somerset	e as owner please give add	ress. ()wner's Wall M	lo Dir	
Address	Municipality SOMER	VTT-T	Do	lot No	
TYPE OF WELL (as por Wall D.		THUIS DO	nO		14 Block No. 46
Regulatory Program Requiring Well	PIKZOMETED		_ Date	Well domete	
CONSULTING FIRM/FIELD SUBSE	1100 - A		Case	I.D. #	ted <u>1 /28 /93</u>
CONSULTING FIRM/FIELD SUPER WELL CONSTRUCTION	IVISOR (if applicable)	lqua Tex	Inc.		Tele #5 C7 COC
Total depth drilled 15 ft.		Depth to	Depth to		
Well finished to 15 ft.		Top (ft.)	Bottom (ft.)	Diameter (inches)	
Borehole diameter:	Inner Casing		nd surface]	(Type and Material
Тор <u>7</u> in.	Outer Casina	-6"	5	2	PVC
Bottom 7 in.	(Not Protective Casing)				
Well was finished:above grade	Screen (Note slot size)	5	15	2	DVG
flush mounted	Tail Piece				PVC-20 Slot
ished above grade, casing	Gravel Pack	4	15		
surfaceft.	Annular Seal/Grout	6"	15	7	#2 Gravel
Was steel protective casing installant			4	7	Bentonite
☐ Yes ☑ No	<u> </u>		pressur	e grout	ed
Static water level after drilling	ft.	CEO			
was measured using	ŧ	GE01	OGIC LOG	geophysi	of other geologic logs and/or cal logs should be attached.)
Well was developed forhour	s atgpm	- 1			o anached.)
- o o pinent		_			
Was permanent pumping equipment inst Pump capacitygpm	alled? Yes No				
Pump type:					
Method HSA					
Drilling Fluid	Rig B57		SEE	АТТАСНЕ	ED LOG
Walle of Driller William Wi		-			
		-			
Level of Protection used on site (circle one N.J. License No. 1079	None D C B A				
Name of Drilling Company			•		
I certify that I have drilled the above-ref	F WKLL DRILLING IN erenced well in accordan	C. nce with all	well permit re	equirements	s and all applicable
Driller's Signature	Maline /	ElChico	(ce (iz	Date	2/1/62
COPIES: White & (Green DEDE C			Date _	77773

COPIES: White & Green - DEPE Canary - Driller Pink - Owner C. 1.

25.32.486

Form DVFR- 138

STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES

PERMIT NO. 25-21829

25.32.486	APPLICATION NO.
WELL RECORD	COUNTY
95 91800	

•		25.32.	48	G APP	LICATION NO.	
		WELL RECO		cou	JNTY	
1.	OWNER Mr. Angelo Crisei	25.218.	•			
		ADDR	ESS _	34 Gaston Ave.,	Raritan, NJ	08869
2	Owner's Well NoLOCATION _Lot 13, Bl. 79, Raritan,	SURFA	ACE E	LEVATION	<u> </u>	Feet
2.						
J.	DIAMETER: Top. 10	DRILLER Son	mer	ville Well Drillin	g Co., Inc.	
	Botto	om inche	s	TOTAL DEPTH	150	Enak
	· · · · · · · · · · · · · · · · · · ·	– Diame	tor	٠	50	Feet
6.						reet
	Range in Depth Top Feet	:			Length	Feet
	Bottom Feet	Geologic i	Forma	tion		
	Range in Depth	Length		Face		į
7.	WELL FLOWS NATURALLY Gallons per i	minute at			_	•
	Water rises to Feet	above surface		reet above sur	face	
	RECORD OF TEST: Date 5/30/81		. العامة	30	-	
	Static water level before pumping 201		ieid	Gallons per	r minute	
	Pumping level 1001 feet below surf	face office	5	Feet below surface		
	Drawdown 801	ace after		hours pun	nping	Į.
	Drawdown 801 Feet Spec	eme Capacity		Gals. per min. per ft. o	of drawdown	(
	Observed effect on nearby wellsnone	——— Но	ow me	asured <u>weir</u>		
9. 1	PERMANENT PUMPING EQUIPMENT:		 -			
					•	·
	Type	Mfrs, Name				
:	Capacity G.P.M. How Driv	eu		H.P	R.P.M	
	Depth of Pump in well Feet	Depth of Foo	tpiece	in well	Feet	_ _ ,
	Depth of Air Line in well Feet Ty			Size		•
10. U	SED FORDomestic		٠	Average	Gallone Daily	
		- AMOUN	IT 1	Average	Gallers D. Its	
11. Q	UALITY OF WATER			mple: Yes No		
	Taste <u>none</u> Odor <u>none</u>			ne Temp.		
12. LC			۸	re samples au '' ' ' ' '		•
<i>12</i> ─\$€	URCE OF DATA Some and 11 are 12 are 1	ric log was made, plea	se fun	re samples available?		
	OURCE OF DATA Somerville Well Drill	ing Co., Inc.				
J	ATA OBTAINED BY Same as above.			_ Date <u>6/17/</u>	81	

Form DWA 1387 7 11/80

STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES

25.26CIA WELL RECORD

PERMIT NO. 25-26614	_5_
APPLICATION NO.	_

APPLICATION NO.
COUNTY Somerset
•

		COUNTY Somerset
1. OWNER North American Products To-		Coord: 2532486
Owner's Well No MW-1	ADDRESS Foot of	Tillman St., Raritan, N.J.
Owner's Well No. MW-1 2. LOCATION Lot: 14 Block: 31	SURFACE ELEVATION	(Above many in the W
3. DATE COMPLETED 8/20/95	Hunicipality: Raritan 1	Boro (Above mean sea level)
	DRILLER Samuel Stoth	noff Co., Inc.
Botto	om b :	100
Type	D: 6	
Size of Opening	Diameter In	aha.
Range in Depth	1	
Bottom Feet	Geologic Formation	
Inches	Lancet	
Gallons per	minute at :	j Pot shows of f
Feet	above f	
8. RECORD OF TEST: Date8/29/85	F	• "
Zero delote boutbille	•	•
teet below sur	face afect	
How pumped Air Lift Observed effect on nearby wells None	Gals, per	min. per ft. of drawdown
Observed effect on nearby wells None	How measured W	eir
9. PERMANENT PUMPING EQUIPMENT:		
		;· •
Capacity	Mfrs, Name	
Capacity G.P.M. How Driv	en H,P,	R.P.M
Ty	rpe of Meter on Pumo	Size Inches
	*	
. USED FORMonitoring	Average _	Gallons Deite
. USED FOR	— AMOUNT Average _	Gallons Daily
. QUALITY OF WATER	— AMOUNT Maximum	Gallons Daily Gallons Daily
QUALITY OF WATER	— AMOUNT { Average _	Gallons Daily Gallons Daily No
QUALITY OF WATER	— AMOUNT { Average _	Gallons Daily Gallons Daily No
. QUALITY OF WATER Odor LOG Odor LOG (Give details on back of sheet or on separate sheet. If elect	AMOUNT Awerage Maximum Sample: Yes Color Are samples as	Gallons Daily Gallons Daily No
COUNTAINTS TO SEED FOR SEED FO	AMOUNT Awerage Maximum Sample: Yes Color Are samples as	Gallons Daily Gallons Daily No OF. vailable?

(NOTE: Use other side of this sheet for additional information such as log of materials penetrated, analysis of the water, sketch map, sketch of special casing arrangements, etc.)



STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES

25.26615.2 WELL RECORD

PERMIT NO.	25-26615-2
APPLICATION	NO.

COUNTY__ Somerset

	COUNTYSUMErset
1. OWNER North Amorton D	Coord: 2532486
1. OWNER North AMerican Products Inc. ADDRESS Foot of T1 Owner's Well No. MW-2	llman St., Raritan N. I
SURFACE ELEVATION	_
Owner's Well No. MW-2 SURFACE ELEVATION SURFACE ELEVATION Municipality: Raritan Boro	(Above mean sea level) Feet
57772 GOINI EETED	
3. DATE COMPLETED 8/27/85 DRILLER Samuel Stothoff 4. DIAMETER: Top 10 inches	Company, Inc.
5. CASING: Type Sch 40 Steel	THFeet
Diameter ()	
Range in Depth Top Feet	LengthFeet
Range in Depth	
INCORE 1	
7. WELL FLOWS NATURALLY Gallons per minute at Feet about the state of th	
Water rises to Feet above surface	ove surface
RECORD OF THE PROPERTY OF THE	
8. RECORD OF TEST: Date 8/27/85 Yield 5 Gall	
77 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Pumping level 100'	Irface
Pumping level 100' feet below surface after 1 hou	urs pumping
reet Specific C.	
How pumpedAir LIft	per ft. of drawdown
How pumpedAir_LIft How measuredWeir_ Observed effect on nearby wells None	
Observed effect on nearby wells None 9. PERMANENT PUMPING EQUIPMENT:	
A CONTINUE COOLUMENT:	
Type Mfrs. Name	
Capacity G.P.M. How Driven	
Capacity G.P.M. How Driven H.P Depth of Pump in well Feet Depth of Footniese in well	R.P.M
Depth of Air Line in well	Feet
Depth of Air Line in well Feet Type of Meter on Pump	SizeInches
0. USED FOR <u>Monitoring</u> AMOUNT Average <u>————————————————————————————————————</u>	Gallons Daily
1. QUALITY OF WATER Maximum	——— Gallons Daily
1. QUALITY OF WATER Sample: Yes	No
Taste Odor Color Color LOG 0'-5' - Soil, 5'-100' - Red Shale Are samples available	Temp of.
Give details on back of sheet or on recovery his	e? -
THE .	
DATA OBTAINED BYJim Kintzel	
DATA OBTAINED BY Date Date Date	



Form PWH 133 FO 137 141/80 Y

STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES

25.26616-1

WELL RECORD

PERMIT NO.	25-26616-1	5
APPLICATION	NO	<u></u>

COUNTY.	Somerset	
Coord.	2532486	

1.	OWNER North American Products Inc. ADDRESS Foot of Tillman St., Raritan, N.J.
	Owner's Well No. MW-3 SURFACE ELEVATION — Feet LOCATION Lot: 14 Block: 31 Municipalities Posters Page (Above mean sea level)
2.	LOCATION Lot: 14 Block: 31 Municipality: Raritan Boro (Above mean sea level)
3.	DATE COMPLETED 8/29/85 DRILLER Samuel Stothoff Co., Inc.
4.	DIAMETER: Top 10 inches Bottom 6 inches TOTAL DEPTH 58 Feet
	CASING: Type Sch 40 Stee1 Diameter 6 Inches Length 17 Feet
	SCREEN: Type Size of Opening Diameter Inches LengthFeet
	Range in Depth
	Tail Piece: Diameter Inches LengthFeet
, 7.	WELL FLOWS NATURALLY Gallons per minute at Feet above surface
	Water rises to Feet above surface
8.	RECORD OF TEST: Date 8/29/85 Yield 5 Gallons per minute
	Static water level before pumping 301 Feet below surface
1	Pumping level 581 feet below surface after 1 hours pumping
<i>,</i>	Drawdown 28 Feet Specific Capacity Gals, per min, per ft, of drawdown
ŧ ċ	How pumped Air LIft How measured Weir
i	Observed effect on nearby wellsNone
9.	PERMANENT PUMPING EQUIPMENT:
	Type Mfrs. Name
	Capacity G.P.M. How Driven H.P R.P.M
	Depth of Pump in well Feet Depth of Footpiece in well Feet
	Depth of Air Line in well Feet Type of Meter on Pump SizeInches
10.	USED FOR Gallons Daily AMOUNT Average Gallons Daily Maximum Gallons Daily
·	Maximum Gallons Daily
11.	QUALITY OF WATER Sample: Yes No
	Taste Odor Color Temp of.
12.	LOG 0'-5' Soil, 5'-58' Red Shale Are samples available?
13.	SOURCE OF DATASamuel Stothoff Co., Inc.
14.	DATA OBTAINED BY Date 8/29/85
\	

(NOTE: Use other side of this sheet for additional information such as log of materials penetrated, analysis of the water, sketch map, sketch of special casing arrangements, etc.)

14. DATA OBTAINED BY _

Jim Kintzel

STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES

25.26617

PERMIT NO.	25-26617	5
		4

	25.26617	APPLICATION NO.
	WELL RECORD	COUNTYSomerset
1. OWNER North American Products In		Coord: 2532486
OWNER North American Products In Owner's Well No. MW-4	ADDRESS Foot of	Tillman St., Raritan, N.J.
Owner's Well No. MW-4 2. LOCATION Lot:14 Block: 31 M	. SURFACE ELEVATION _	(Above meet al. Feet
2. LOCATION Lot:14 Block: 31 M	unicipality: Raritan Boro	(Above mean sea level)
0/20/05	0 -	
Bui	iom - inst.	
C Operin	'9 Iliameter	
Range in Depth	et	LengthFeet
Bottom Fe	Geologic Formation	
	1 0 5 cm k	
7. WELL FLOWS NATURALLY Gallons per Water rises to	Feet	
Water rises to Fee	Feet	above surface
8. RECORD OF TEST: Date 8/29/85 Static water level before numbers 30.1	r above surface	
Static water level before ourming 30'	Yield	Gallons per minute
Static water level before pumping30' Pumping level100' footbol	Feet belo	w surface
Pumping level 100' feet below su Drawdown 70'	rface after1	hours pumping
reet So	acifia C	
TOMPING EQUIPMENT:		
Type	Mfrs, Name	·
G.P.M. How Dri	ven	
Depth of Pump in well Feet Depth of Air Line in well Feet	Depth of Footniese in well	H,P,M,
Depth of Air Line in well Feet T	Ype of Meter on Pump	Feet
10. USED FOR Monitoring		SizeInches
- Louing	— AMOUNT Average —	Gallons Daily
10. USED FOR Monitoring 11. QUALITY OF WATER — Odor — Odo	Maximum	Gallons Daily
Taste	Sample: Yes	No
12. LOG O'-5' - Soil 5'-100' Red Shale (Give details on back of sheet or on separate sheet. If elect 13. SOURCE OF DATA Samuel Stothoff Co.	Color	_ Temp of.
Give details on back of sheet or on separate sheet. If elec	Are samples avail	able?
13. SOURCE OF DATASamuel Stothoff Co.	, Inc.	•

(NOTE: Use other side of this sheet for additional information such as log of materials penetrated, analysis of the water, sketch map, sketch of special casing arrangements, etc.)



8/29/85

DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES

PERMIT NO	25-33540-5
	_

25.32,21	96
WELL RECORD	10

-94:.<u>.</u>

APPLICATION NO	4
COUNTY Somerset	U
~ ~ .	

		COUNTY_Somerset
1 OWNER_Ortho Diagnostics v	25.02260.5	
Owner's Well No MW_5		· •
Owner's Well No	SURFACE ELEVATION	
2 LOCATIONSame		(Abore mean me level)
3 DATE COMPLETED May 26, 1989 4 DIAMETER Top 8 inches Bon	DRILLERSamuel Stotho	ff Co Inc
4 DIAMETER Top 8 inches Bott 5. CASING: Type PVC	om 8 inches TOTAL DE	PTH 21
5. CASING: Type PVC SynctOnic	Diameter 4 Inches	Feet
Size of Opening	Diameter A	
Range in Depth	ı	Length 18 Feet
Bottom 21 Fee	Geologic Formation	red shale
Inches Inches	Learn	
Gallons per	minus	
East Factor of the Control of the Co	all a second and a second a second and a second and a second and a second and a second and a second and a second and a second and a second and a second a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second a second and a second and a second and	
MECORD OF TEST Date May 26, 198	9 0	
Static water level before pumping Pumping level	Yield Ga	lons per minute
Drawdown Feet	he he	purs pumping
Drawdown Feet Spec	Gals, per min,	per ft. of drawdown
Observed effect on nearby wells		
PERMANENT PUMPING EQUIPMENT		
Туре		
Capacity G.R.M.	Mfrs, Name	
Capacity G.P.M. How Driv Depth of Pump in well Feet	en H.P	- R.P.M
Depth of Air Line in well	Depth of Footpiece in well	Fact
Depth of Air Line in well Feet Ty	pe of Mater on Pump	Size inst
USED FORmonitoring	Averson	Inones
QUALITY OF WATER	- AMOUNT	Gallons Daily Gallons Daily
	Sample: Yes	Gellons Daily
Tarte Odor	Pala.	
LOG 0'-5' soil, 5'-21' red stille	OUA	Temp of
SOURCE OF DATA Dennis Wene	ne log mes made, please furnish sasy.)	•?
DATA OBTAINED BY Samuel Stothoff Co	O Inc	
-	Dett Dett 5/	26/89

INOTE. Use other side of this sheet for additional information such as log of materials penetrated, analysis of the water, sketch map, sketch of special casing arrangements, etc.)

DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES

25.335A1-3 WELL RECORD

PERMIT NO _25-33541-3
APPLICATION NO
COUNTY_Somerset
25,32,486

	1	OWNER Ortho Diament				92,32,486	,
		Owner: Well NoMW-6	stems I	ADDRESS	Rte. #202	Raritan, N.T	08860
					FLEVATION	Touris No	00003
	2	Owner's Well No. MW-6 LOCATION Same			LLEVATION	(Abore mean see level)	Fee:
	3.	DATE COMPLETEDMay_26. 1989	200				
	4	DIAMETER Top 8 Inches	UK	LLER <u>Sam</u>	<u>iel Stothoff</u>	Co., Inc.	
	5	- ·- -	punna i) !			
	6						
	•			Diameter	4 15-5-		
		Range in Depth	Fest			Langto 1 8	Fee:
		Bottom21	Feet	Geologic Form	ation	red shale	
		Tail Piece Diameter Inch		•			
	7.	WELL FLOWS NATURALLY - C'	•	Length	Feet		
		WELL FLOWS NATURALLY Gallon	s per minute a	t	Feet abo	ve surface	
			Fast about	•			
8	,	RECORD OF TEST Date May 26, 1 Static water level before numpies	989	Yield	0 6-11		
		- Pullping	5		•		
		Pumping level feet helo	w enders -t-		Feet below su	rface	
7		Pumping leve! feet belo	w antige MUS		hou	irs pumping	
9							
				- ₽			
_	_						
8	P	TOWN ING EUDIPMENT					
		Type	· Men as			4	
		Capacity GPM No.	- mus, n	ame			
		Capacity G.P.M. How Depth of Pump in well Feet	DIIVEN		H.P	R.Р.М	
			LJ#1	ITT At Fastaise.	. !		
		Depth of Air Line in well Feet	Type of Mi	iter on Pump _		Circ.	
10.	U:	SED FORMonitoring			(A		-
	•		 -	AMOUNT	1	Gallons Daily	
11.	Q	JALITY OF WATER		•	Maximum	Gellons Daily	5
		TasteOdor			mple: Yes	No	
12.	LC	0 0'-5' soil 5!-21! rod	shale	Color	7	emp or_	
		THE STREET OF SO SHOPE IN SEC.	I stace to be	1700 Mary 2000	ure samples available	?	
13.	SO	URCE OF DATASamuel Stothof	f Co., I	nc.	~~, жэ ү.)		
14	ĐΑ	TA OBTAINED BY Samuel Stothof	f Co T	nc			-
					_ Date	5/26/89	

(NOTE. Use other side of this sheet for additional information such as log of materials penetrated, analysis of the water, sketch map, sketch of special casing arrangements, etc.)

DEPARTMEN DIV

MENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER REJOURCES 25.32.486 WELL RECORD 25.33542-) ems, Inc. ADDRESS Rte. #202	APPLICATION NO COUNTY Somerset 25,32,486 Raritan NI 08260
SURFACE ELEVATION	(Abore mean me level) Fee:
DRILLER Samuel Stathof	f Co., Inc.
Diameter 4 Inches ng 20 Diameter 4 Inches ret Geologic Formation	Length 5 Fee:

OWNER Ortho Diagnostic System Owner's Well No MW-7 2 LOCATION _____same_ DATE COMPLETED May 26, 1989 DIAMETER Top 8 inches 5 CASING Type PVC 6 SCREEN. Type PVC Size of Openin Range in Depth Tail Piece Diameter _____ Inches 7. WELL FLOWS NATURALLY ____ Gallons per minute at ____ Water rises to ____ Feet above surface 8. RECORD OF TEST Date May 26, 1989 Yield 0 Gallons per minute Pumping level ______ feet below surface after _____ Drawdown ____ Fees -- hours pumping Specific Capacity _____ Gals, per min, per ft. of drawdown How pumped __ How measured _ Observed effect on nearby wells ____ PERMANENT PUMPING EQUIPMENT - Mfrs. Name G.P.M. How Driven __ Depth of Pump in well _____ Feet H.P. ____ R.P.M. ___ Depth of Footpiece in well Depth of Air Line in well _____ Feet Type of Meter on Pump Size ____Inches 10 USED FOR _ Gallons Daily THUOKA 11. QUALITY OF WATER ____ Maximum Gallons Daily Sample: Yes ____ No ____ Odor_ 0'-7' soil, 7'-21' shale _____ Temp. _____ of. Rive details on sect of sheet or an experts sheet. If electric leg was made, ale Are semples evailable? 13. SOURCE OF DATA ____ Dennis Wene 14. DATA OBTAINED BY _____Samuel Stothoff Co., Inc. Date _____5/26/89

INOTE Use other side of this sheet for additional information such as log of materials penetrated, analysis of the water, sketch map, sketch of special casing arrangements, etc.)

DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER BETTURED

		D	IVISION OF W	ater resol	PROTECTION URCES	PERMIT NO	.25-335	43_0
	WELL SEALED			25.33	15.1.0 a	APPLICATIO:		
				TECUND		COUNTY_S	merset	
1	OWNER Ortho Diag. Owner's Well No.	nostics System	ms Inc.			82,3	2.486	
	Owner's Well No LOCATIONSI DATE COMPLETED	MW-8		ADDRESS	Rte. #2	202 Rarita	in, NJ	.08869
2	S:	ama am					i	_
3.								_Fee:
4	DATE COMPLETED 1 DIAMETER Top 8 CASING: Type 5	207 1909	DRILL	ERSa	muel Stoth	off Co. Tr		
5.	CASING Type	inches Bor	10m <u>8</u>	_ inches	TOTAL	FPTU -		
6	CASING: Type	PVC	_	Diameter_	_ 4	2	1	_Fset
•	SCREEN. Type PVC	Size of Openin	9	Diameter	Δ	Lengt	h5	_Fee:
	Range in Depth Top	3 Fe	et .		Inche	Lengti	,18	_Fee:
	Воп	iom	G.	ologic Form	ation r	ed shale		
		100044						
7.	WELL FLOWS NATURALLY Water rises to		. Ler	uta	Feet			-
	Water rises to	- Gallons Der	minute at		Feet a	bove surface		
8.	Water rises to	Fée:	above surfac	e ,		1		
	TOT. Date _	may 26, 19	RQ	•	0	alt		
	Static water level before pur Pumping level	nping	5		5	rions per minute		
	Pumping level	feet below sur	face after		rest below	surface		
<i>ا</i> ا							•	
	How pumped Observed effect on nearby wi		orne capacity	·	_ Gals, per min,	per ft. of drawdow	חי	
	Observed effect on nearby wi	elle		- How mea	Bured	Į.		
9. P	ERMANENT PUMPING EQUI					6.47.6		_
			•					-
	Type		Mirs, Name	-		4.		
	Capacity	G.P.M. How Driv	en		НР	·		-
	Depth of Pump in well	Feet	Depth o	f Footniese :	a mult	R.P.M.		_
	Depth of Air Line in well		pe of Materia	n Puma	11 MEII	For	t	
10. US	ED FORMonitorin	σ		rump		SizeInd	h es	,
			- AV	TAUDI	Ачэгэдэ	Gallons D	eily	•
11. QU	ALITY OF WATER				Maximum	Gellons D	ilv	· · ·
7	aste	6.4		Sa m	ple: Yes	No	•	
12 I DA			Cole			Temp 0;		
	. The second of the second of	Marie al anni del	*** 19	- All An		•7		
000	Denn:	<u>is</u> Wene		, made facility	A SEPY.		-	
4 DAT	A OBTAINED BY	amuel Stothof	f Co.	Inc				
	•				Date	5/26/89		

(NOTE. Use other side of this sheet for additional information such as log of materials penetrated. analysis of the water, sketch map, sketch of special casing arrangements, etc.)

DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER REJOURCES

PERMIT NO	_25-33544-8
400	

UELL RECORD

APPLICATION NO	
COUNTY_Somerset	し
25.72.480	~

OKO24 TITE	COUNTY Somerset
1 OWNER_Ortho Diagnost	36 33 1104
Owner: Well No MW-9	4303 name
Owner's Well No. MW-9 2. LOCATION Same 3. DATE COMPLETED May 26, 1989	e: #202 Raritan, NJ 08869
2. LOCATIONSame SURFACE ELEVATION	N NO
2. LOCATION SURFACE ELEVATION 3. DATE COMPLETED May 26, 1989	(Above meen see level) FEE:
4 DIAMETER To 0 DRILLER Samuel St	othess
3 DATE COMPLETED May 26, 1989 DRILLER Samuel St. 4 DIAMETER Top 8 inches Bottom 8 inches TOT 5. CASING Type PVC Diameter 4	other Co., Inc.
PVC PVC	AL DEPTH_ 23
5. CASING: Type PVC Bottom 8 inches TOT 6 SCREEN. Type PVC Size of Opening 20 Diameter 4 Range in Depth Top 3 Feet	Inches I angel 5
Diameter 4	Inches
Range in Depth 100 3 Feet	Length 20 Fee:
(Bottom 23 Geologic Formation	
Tail Piece DiameterInches	Shale
Tail Piece: Diameter Inches Length 7. WELL FLOWS NATURALLY Gallons per minute at Water rises to Feet above surface.	Feet
UNION DAY	E
Water rises to Feet above surface	rest above surface .
OF IEST Date May 26 1000	•
8. RECORD OF TEST Date May 26, 1989 Yield 0 Static water level before pumping 5	- Gallons per minus
Static water level before pumping 5 Pumping level feet below surface after	Delma and
Pumping level	ALOW SUITSCE
Feet Specific Const	— hours pumping
How pumped Gals, per	Thin, per front do
How pumped Gals, per Observed effect on nearby wells 9. PERMANENT During	
Observed effect on nearby wells	
FOMPING EQUIPMENT	
Capacity Mirs. Name	•
Capacity G.P.M. How Driven H.P Depth of Pump in well Feet Depth of Footpiers in well	
Depth of Pump in well Feet Depth of Feet	
Depth of Australia	R.P.M
Depth of Air Line in well Feet Type of Mater on Pump	Feet
10 USED FOR Monitoria	Size looks
AMOUNT Average	Gallons Daily
11. QUALITY OF WATER	
	Gentout DNIA
Odor	No
12. LOG 0'-5' soil, 5'-23' red shale 10' miles	Temp or
	_
Dennis Wang	- Indiana
14. DATA OBTAINED BY Samuel Stothoff Co., Inc.	
Stothoff Co., Inc.	5 /00 /00
WOTE	5/26/89
(NOTE Use other side of the	-

INOTE Use other side of this sheet for additional information such as log of materials penetrated. analysis of the water, aketch map, aketch of special casing arrangements, etc.)

DWR-138 M



New Jersey Department of Environmental Protection Division of Water Resources

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			ell Permit No.	_25	38814	
OWNER IDENTIFICATION - Owne Address		i .	as Sheet Coo	iomates	35 —∴_32	-486
Address	ORTHO DIAGNOSTI	C System	}	·		
City	DADTERAN	-		·		
WELLLOOP			StateN	J	_ Zip Cod	o 08869
WELL LOCATION - If not the same County Someset Address Route 202	as owner please give addr	ess. Ov	vner's Well No	. Mw-	-24	
County Somotsel	Municipality					
Address Moute 202	RARI	TAN BORO			4	Block No
TYPE OF WELL (as per Well Permit	Categories)		Data			
Regulatory Program Requiring Well	MONITORING		. Date t	well complet	ed /_	7 191
CONSULTING FIRM/FIELD SUPER	VISOR (if applicable)	Dan	· M	.D. #		
WELL CONSTRUCTION	(ii applicable)	<u>VUMO e</u>	11/00/2		Tele. #_	1201-709-3942
	į	Depth to	Depth to	Diameter		
Total depth drilled 30 ft.		Top (ft.)	Bottom (ft.)	(inches)		and Material
Well finished toft.		[From la	nd surface)	,,	, , , , , , , , , , , , , , , , , , ,	
Borehole diameter:	Inner Casing		_			
Top <u>10</u> in.	Outer Casing (Not Protective Casing)	8	12		Type3	304
ttom _ 6in.	Screen	0	13	6	Stainly	304 a Stel
Well was finished: above grade	(Note slot size)					
X flush mounted	Tail Piece	_!				
If finished above grade, casing	Gravel Pack	1				
height (stick up) above land						
surfacefi.	Annular Seal/Grout	0	13	-	Partlan	el Concert
Was steel protective casing installed	Method of Grouting	Parales	61	1-		
☐ Yes X No		- (7) CALLACIO	Crowt.	W/ Iris	nre Lin	<u>ve</u>
Static water level after drilling 23.4	<u>54</u> _ft.	GEO	LOGIC LOG	(Copies	of other ged	ologic logs and/or
Water level was measured using	+ Scope			geophy	sical logs sh	ould be attached.)
Well was developed for 2.5 how	urs at 1 com	ı	Gra	100cl 5	inface	-
Method of development Mechanically	Sura, Schraciste lan	0			ex vege	
Was permanent pumping equipment in	nstalled? Yes No			Fill		OM
oump capacitygpm				•		
oump type:	 -	- 1				4'
Drilling Method Hir Hotay			^			
Orilling Fluid Hir Type	of Rig heichelill 65	0	$\left(\lambda \right)$	ed Sha	10	ا اسم
lame of Driller Can's New	ve		1 16	, a Ona	16	
	Yes No	13	•			\Box
evel of Protection used on site (circle o	ne) None 🕜 C`B A		•			<u></u>
.J. License No						
of Drilling CompanySA	HUEL STOTHOFF CO.,	INC			.3	80' =
pertify that I have drilled the above-						
late rules and regulations.		Parice WILL S	ın well permit	requireme	ents and all	applicable
	4 .					
Driller's Signa	ture	en 1		_	- 1	/

DWR-138 M 6/89



New Jersey Department of Environmental Protection Division of Water Resources

4

		W At	ell Permit No.	25	38815
OWNER IDENTIFICATION - Owner	Atamas		9/1001 000;		
Address	ORTHO DIAGNOST	ic syste	8	 	
City	RARITAN		<u> </u>		
			State	IJ	Zip Code
WELL LOCATION - If not the same a	as owner please give addr	ess. O			• -
Address P. + 300	Municipality			Lot No.	Diani, No.
County Someset Address Route 202	KARI	TAN BORO			4 BIOCK NO
THE OF WELL 128 DOT WALLDANNER	^		D-1		(7 0)
Regulatory Program Requiring Woll	MONITORING			well complet	ed 6 17 191
CONSULTING FIRM/FIELD SUPERV	/ISOR (if applicable)	Domes	Case I	.D. #	
WELL CONSTRUCTION	(" applicable)	ENVINED.	11/8016		Tele. #_ <i>F-281-789-3</i> 942
1411001101		Depth to	Depth to	T	T
Total depth drilled 30 ft.		Top (ft.)	Bottom (ft.)	Diameter (inches)	
Well finished toft.		[From la	nd surface]	()	opposite material
Borehole diameter:	Inner Casing		_		
Top <u>// in.</u>	Outer Casing (Not Protective Casing)	0			Tune 304
Bottom 6 in.	Screen	0	13	6	Type 304 Stowles Skel
ell was linished: above grade	(Note slot size)			_	
If flush mounted	Tail Piece				
If finished above grade, casing	Gravel Pack				
height (stick up) above land					
surfaceft.	Annular Seal/Grout	0	_/3	-	Portland Count
Was steel protective casing installed?	Method of Grouting	Pressu	· Caret	11/1	nic Line
Yes No	· ·		<u> Cour</u>	•	
Static water level after drilling 18,66	<u> </u>	GEO	LOGIC LOG	(Copies	of other geologic logs and/or
Mater level was measured using	Scope				sical logs should be attached.)
Well was developed for 2.5 hour	rs atgpm	<u> </u>	_ Gro	unal S	inface
Method of development	get Submatk Ping	2_			
Vas permanent pumping equipment ins	italled? 🗌 Yes 🔀 No	.			Soil o'n
ump capacity gpm	• .			•	J011
ump type:		-			
rilling Method Hir Kotary	- 11/1/2	ر ا	•	• .	
		0_		ΛΙ	H
				Hech	
	Yes No			5ha	le 1
evel of Protection used on site (circle on J. License No	e) None (D) C B A			- •	
	ATOM CONTRACTOR OF				
	OEL STOTHOFF CO.,				30'
rtify that I have drilled the above-rules and regulations.	eferenced well in accord	fance with a	all well permit	requireme	nts and all applicable
Driller's Signatu	ire <u>Paris We</u>			_ Date	6/10/91
COPIES: White &	Green - DEP Canary . [Piller Pin	k-Owner G	oldenrod - I	

DWR-138 M



COPIES:

New Jersey Department of Environmental Protection Division of Water Resources

5

		We Atla	II Permit No.		38816	
OWNER IDENTIFICATION - Owner		7.00	22 211881 COO	oinates	25 : 3	3
Address	ORTHO DIAGNOSTI BOUTE 202	C SYSTEM	3			
City	T 1		State	J T	7:0.1	00010
WELL LOCATION # 1.1					_ Zip Code	08869
WELL LOCATION - If not the same a	s owner please give addr	ess. Ow	vner's Well No	MW-	26	
County Somuet Address Rout 202	Municipality	TAN BORO		_ Lot No.		Block No.
TYPE OF WELL (as as Mall D						•44
TYPE OF WELL (as per Well Permit C Regulatory Program Requiring Well	Categories)		Date	well complet	1 <u>6</u> bet	7191
CONSTITUTION FIRM THE CONSTITUTION OF THE CONS	RCRA		C	D 11		
CONSULTING FIRM/FIELD SUPERV	ISOR (if applicable)	Mer a Ma	218		Tele. #_/	1281-789-3942
WELL CONSTRUCTION		Depth to	Depth to		,	
Total depth drilled 80 ft.		Top (ft.)	Bottom (ft.)	Diameter (inches)		and Material
Well finished to 80_ ft.		[From lar	nd surface]	()		
Borehole diameter:	Inner Casing		_	—		
Top <u>// i</u> n.	Outer Casing (Not Protective Casing)	0	55		Type	304
Sottomin.	Screen		-	6	Stanten	Skel
Well was finished: above grade	(Note slot size)					
☑ flush mounted	Tail Piece				-	
If finished above grade, casing	Gravel Pack		_	_	1	
height (stick up) above land surfaceft.	Annular Seal/Grout	0	55		Patland	1/-1
Was steel protective casing installed?	Method of Grouting				- HTIANCE	CHAT
Yes No		Plesser	e Grow	7 N/7	rimic L	ine
Static water level after drilling _55.6	9 ft.	GEO	LOGIC LOG	(Copies	of other ged	ologic logs and/or
Water level was measured using	-5601C			деорпу	sical logs sh	ould be attached.)
Well was developed for 2.5 hour	rs at 10 com		Gran	w. 1 5.	nface	- 1
Method of development Mechanily	Saye Subsenible for	2			ATOCK	91 /
Was permanent pumping equipment ins	stalled? Yes X No			50:1/	ر د ۱۱ س	
Pump capacitygpm				20.11	Fill	
Pump type: Drilling Method Air Reference					8	8' [3]
	of Rig Reichchill 650	,		٠		
Name of Driller Dennis he		'		0 1	1)	
	Yes No	}i		Red &	hale	
Level of Protection used on site (circle on						
N.J. License No	,					
me of Drilling CompanySA	DEL STOTHOFF CO.	. INC			80	9' j=
n-efrily that I have drilled the above-r State rules and regulations.			all well permi	it requirem		
Driller's Signati	ure <u>Dani</u> W	lue		Dai	te	1/21
						/

DWR-138 M



CODIEC.

8.

New Jersey Department of Environmental Protection Division of Water Resources

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		W	/ell Permit No. tlas Sheet Coo	<u>-25</u>	_38817	
OWNER IDENTIFICATION - Owner		Al	lias Sheet Coc	ordinates	-38817 -32-	
Address	CRUTHO DIAMONT	C Systa	œ		-	300
City	BOLK SIS					
City			State	NJ	Zip Code	90010
WELL LOCATION - If not the same a						
County Somuset	Municipality	ess. O	wner's Well No	o <i>[/]W</i>	-27	
Address Route 202	RARI	TAN BORO		Lot No.	Block	No
County Some set Address Route 202 TYPE OF WELL (as per Well Permit 0					4	31
Regulatory Program Requiring Well	HONITORING		_ Date	well comple	ted 6 1 7 1	91
CONSTITUTE EIGHT DOWN	BCRA		Case	I.D. #		<u> </u>
CONSULTING FIRM/FIELD SUPERV	ISOR (if applicable)	ones 2 1	Moore		Tele # 4-70	 1780 20112
WELL CONSTRUCTION					100. #1 20/	-101-3792
Total depth drilled 30 ft.		Depth to Top (ft.)	Depth to	Diameter		
Well finished to 30 ft.			Bottom (ft.) ind surface]	(inches)	Type and	Material
Borehole diameter:	Inner Casing	-		 		
Top 10 in.	Outer Casing					l
ttom 6 in.	(Not Protective Casing)	0	15	6	Type 304 Stain kep St	. ,
well was fisial at \square	Screen (Note slot size)				Stain her 5/	12/
vvell was finished: above grade	Tail Piece		 			
flush mounted					_	
If finished above grade, casing height (stick up) above land	Gravel Pack	_		_		
surface ft.	Annular Seal/Grout	O	10		01/10	
Was steel protective casing installed?	Method of Grouting		15		Partland Con	ant
Yes No	Metriod of Grouting	Presour	e Grant	WITA	imre Line	
Static water level after drilling 6.8	7 4					
Water level was measured using	22_11. 22_5c_0.0	GEO	LOGIC LOG	geophys	of other geologic sical logs should b	logs and/or se attached t
Well was developed for A hour	1	-				
Method of development Machinely	Sur Silar III		Orei	und Sur	tacl	
Was permanent pumping equipment ins	sollado Du IV		•	آ ہے	.1 0	<u>स्त्र</u> ा
Pump capacitygpm	Tailed? LI Yes LX No	.		رون	Z	FI I
Pump type:		·		÷	4'	
Drilling Method Air Refort						FII
Drilling Fluid Br Type of	of Rig Rerchelill 650			1	,	$H \mid I$
Name of Driller Deanis (ese			Ke	c	
	Yes No ':			- 1.5	1.10	
Level of Protection used on site (circle one		` •		S	raie	
N.J. License No	,					
of Drilling Company	OKL STOTHOFF CO.,	7370			25/	<u> </u>
		_INC			30'	
I certify that I have drilled the above-re State rules and regulations.	eterenced well in accord	lance with a	all well permit	requireme	nts and all annio	able
goranorio.	_				un applic	~516
Driller's Signatu	re Danie (1)	<u>'</u>		_	-11	
3				_ Date	6/10/91	

DWR-138 M 6/89



New Jersey Department of Environmental Protection Division of Water Resources

2

		W	ell Permit No.	25 .:	38873
OWNER IDENTIFICATION O		At	las Sheet Coo	rdinates 2	32 : 486
OWNER IDENTIFICATION - Owner	ORTHO DIAGNOSTIC	SYSTRES			
	ROUTE 202				
,City	TANK TAN		State NJ		Zip Code _ <i>08869</i>
WELL LOCATION - If not the same					
WELL LOCATION - If not the same County Some 202 Address Route 202	as owner please give addr	ess. O	wner's Well No	MW-	-28
Address Part 7A7	Municipality RARTT	AN DORO-		Lot No.	Block No
Time & U.S.					31 - St
TYPE OF WELL (as per Well Permit Regulatory Program Requiring Well	Categories Categories		Data	7	
Regulatory Program Requiring Well_	RCRA		Const	well complete	d 617191
CONSULTING FIRMFIELD SUPER	/ISOR (if applicable)	Paris	Odse	.D. #	
CONSULTING FIRMFIELD SUPERING WELL CONSTRUCTION	(-	11/001		_ Tele. # [-201-7822/16
		Depth to	Depth to		
Total depth drilled 30 ft.		Top (ft.)	Bottom (ft.)	Diameter (inches)	Type and Material
Well finished to 30 ft.		[From la	nd surface)	1,5,	- 1 L marailal
Borehole diameter:	Inner Casing			_ [
Topin.	Outer Casing	In			Type 304
Bottom6in.	(Not Protective Casing) Screen	_0_	15	6	Steinley Skel
was finished: above grade	(Note slot size)		-	_ T	
I flush mounted	Tail Piece	_		_	
If finished above grade, casing	Gravel Pack	_			
height (stick up) above land surfaceft.	Annular Seal/Grout	0	1,00		01/11
Was steel protective casing installed?	Method of Grouting		/5		Partland Corant
Yes 🔀 No		Passu	e George	WITH	MIR Line
Static water level after drilling	56 ti	050			
Water level was measured using	5,000	750	LOGIC LOG	geophysi	of other geologic logs and/or cal logs should be attached.)
was developed for Six hour	- 1 1 1		/		
Method of development Mechanily	Juce 16 har the Do	 	Graus	ul Sur A	2CQ
Was permanent pumping equipment ins	talleds Dy M.	-		oi 1/Cla	01/~
Pump capacitygpm	Talled! LI Yes LA No	1	50	gil/Cla	/
Pump type:		} .		•	101
Prilling Method Hir Rofery			•		
Prilling Fluid Air Type o	of Rig Rexhat; 1/650	2		A 1 -	// 1-1
ame of Driller Cunic head	2100 PUT 1/ 630	' —		Red SI	hale
ealth and Safety Plan submitted?	Yes No			-	
evel of Protection used on site (circle on	a) None (C) P A				
J. License No <i>093/</i>					
ame of Drilling CompanySAMO	el stothoff co., 1	INC			
<u> </u>					30'
y that I have drilled the above-re चर्च rules and regulations.	eferenced well in accord	ance with a	ll well permit	requiremen	is and all applicable
	^				
Driller's Signatu	re	WL		Date	ako les
COPIES: White &	Green - DEP Canary - D				
······································	Green - DEP Canary - D	tiller Pink	- Owner Go	oldenrod - Ha	allh Dans



Central Jersey Industrial Park Chimney Rock Road, Bldg. 9W Bound Brook, NJ 08805 Telephone:

Tall Pres FAX:

(908) 722-4266 (800) 242-6648 (908) 356-1009

ENVIRONMENTAL SPECIALISTS

WELL LOG

WELL: MASS

DATE DRILLED: 12/04/1995 COORD #1: 25.32.486

PERMIT #1: 25-48291

SITE: Ortho Diagnostic Systems,, 2001 Route 202 North, , Raritan, NJ 08869
OWNER: Ortho Diagnostic Systems,, 2001 Route 202 North, , Raritan, NJ 08869

PERMIT #2:

COUNTY: Somerset

INNER CASING: PVC

OUTER CASING:

XSTREET:

DIAMETER:

SCREEN TYPE 1: PVC SCREEN TYPE 2:

USE: Monitoring

LENGTH: 111

DIAMETER: LENGTH:

DIAMETER:

DRILLING METHOD: Air Rotary SAMPLING METHOD:

SET WELL:

GAL PER MIN:

LENGTH 1: 201 LENGTH 2:

SLOT SIZE:

HOLE DIAMETER: TOTAL DEPTH: 31

GRAVEL PK SZ: Morie #2 DRILLER: Jim Burton SURFACE COMPLETION: M

STAT H20 LVL: 121 DEVELOPMENT METHOD: PURP DEVELOPMENT TIME: 1 Hour

.020

DEPTH BELOW SURFACE FROM - TO

BLOWS PER 6" ON SAMPLER

CASING SEAL: Portland OPEN HOLE:

REMARKS / SOILS IDENTIFICATION

0' - 9' Fill material. 9' - 31' Red shale.

Ground Surface

AT-Grade Protective Watertight Manhole Locking Compression Cap

2' x 2' Concrete Pad Gravel Mix Concrete

PVC Casing 4" Diameter

Neat Cement Grout (ASTM Type II, 5% Bentonite Added)

0'- 11' solid

11'- 31' Screen

PVC Screen 4" Diameter

Gravel Pack

Bore Hole 8" Diameter

Botton Cap

DWR-138 M 11/94

COPIES:

White - DEP

Canary - Driller

Pink - Owner

Goldenrod - Health Dept.

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF WATER ALLOCATION

DMR

		We	Il Permit No	<u>25</u>	48455
OWNED IDENTIFICATION		Aus	18 Sheet Coord	inates	25 : 32 : 486
OWNER IDENTIFICATION - Owner_	ORTHO DIAGNOST	IC SYSTE	<u>s</u>		· .
Vodiess	2001 ROUTE 202	NORTH			
City	RARITAN		State	NJ	Zip Code
WELL LOCATION - If not the same as SOMERSET	S OWner blesses one add-			AAI	22
	Municipality	ITAN BORG)	Lot No E	-33A 31 Block No. Ø14
Address	ORTH				BIOCK NO
TYPE OF WELL (as per Well Permit C	Saterories) MONITORIN				1 00 00
TYPE OF WELL (as per Well Permit C Regulatory Program Requiring Well	UST -		Date v	veii complet	≈ <u>4 100,96</u>
Regulatory Program Requiring Well _ CONSULTING FIRMFIELD SUPERV	ISOR (if applicable) M(Laren/	Hart		Tale # (908) (047
WELLCONSTRUCTION		Depth to	Desth		
Total depth drilled 13 ft.		Top (ft.)	Depth to Bottom (ft.)	Diameter	
Well finished to 13 ft.			nd surface)	(inches)	Type and Material
Borehole diameter:	Inner Casing	0	3	2	Sch. 40 Prc
Topin.	Outer Casing				201,20 110
Bottomin.	(Not Protective Casing) Screen				
) Well was finished: above grade	(Note slot size)	3	1.3	2	Sch. 40 PV(.01
I flush mounted	Tail Piece				
f finished above grade, casing	Gravel Pack	2	1.3		Movie # 0
height (stick up) above land surfaceft.	Annular Seal/Grout	0	2		10.44
Was steel protective casing installed?	Method of Grouting	y ·	<u></u>		fortland
Yes No	and the same	DIM	M		· · · · · · · · · · · · · · · · · · ·
Static water level after drilling 5	ft.	GEO	LOGIC LOG	(Copies	s of other geologic logs and/or
Water level was measured using	pe			geopny	sical logs should be attached
Well was developed forhou.	rs at gpm	-			
Method of development		.			
Vas permanent pumping equipment in:	stalled? Yes Yo	}	-		
ump capacitygpm	•	· ·	Λ	•	
ump type:		17	Dog AD	chan	Attached
Prilling Method Au Trotary	- 1111 20	~ <i>'</i>	mus .	ע עענע	71 0 10101 (0
rilling Fluid Aype	of RigMobile 13-80	0			
ame of Driller <u>Donald Grahar</u>					
ealth and Safety Plan submitted?		Ĭ			
evel of Protection used on site (circle or .J. License No. -1620	ne) None(D) C B A	.			•
	IT WELL DRILLING	1			
certify that I have drilled the above- tate rules and regulations.		rdance with	all well perm	it requirem	nents and all applicable
The same in the section of		_		,	
Driller's Signal	nura 1 me 00	Mac 1L	2 2000		1 01 01



Central Jersey Industrial Park Chimney Rock Road, Bldg. 9W Bound Brook, NJ 08805

Telephone: Toll Pree: FAX:

(908) 722-4266 (800) 242-6648 (908) 356-1009

ENVIRONMENTAL SPECIALISTS

WELL LOG

· 341 .

WELL: MW33A

DATE DRILLED: 4/22/1996

COORD #1: 25.32.486

PERMIT #1: 25-48455

COORD #2: PERMIT #2:

COUNTY: Somerset

XSTREET:

SITE: Ortho Diagnostic Systems,, 2001 Route 202 North, , Raritan, NJ O8869 OWNER: Ortho Diagnostic Systems,, 2001 Route 202 North, , Raritan, NJ 08869

USE: Monitoring

INNER CASING: PVC DIAMETER: 2" LENGTH:

OUTER CASING: DIAMETER: LENGTH:

SCREEN TYPE 1: PVC SCREEN TYPE 2: DIAMETER:

DRILLING METHOD: Air Rotary SAMPLING METHOD: Cuttings

SET WELL: 13 '

GAL PER MIN: SLOW RECHG

LENGTH 1: LENGTH 2: SLOT SIZE:

HOLE DIAMETER: 8" 101 TOTAL DEPTH: 13'

GRAVEL PK SZ: Morie #0 DRILLER: Don Grahamer, Jr

STAT H20 LVL: 51 DEVELOPMENT METHOD: Pump DEVELOPMENT TIME: 2 Hours

.010 CASING SEAL: Portland OPEN HOLE:

SURFACE COMPLETION: N

DEPTH BELOW SURFACE FROM - TO

BLOWS PER 6" ON SAMPLER

REMARKS / SOILS IDENTIFICATION

0' - 7'6" Red clay & rock fragments. 7'6" - 13' Red shale.

Ground Surface AT-Grade Protective Watertight Manhole Locking Compression Cap 2' x 2' Concrete Pad Gravel Nix Concrete PVC Casing 2" Diameter Nest Cement Grout (ASTM Type 11, 5% Bentonite Added) 0'- 3' Solid PVC Screen 2" Diameter 3'- 13' Screen Gravel Pack 21- 131 Bore Hole 8" Diameter Bottom Cap

DWR-138 M 12/91

New Jersey Department of Environmental Protection and Energy Bureau of Water Allocation



MONITORING WELL RECORD

		V)	ell Permit No.	<u> 25 </u>	44365			
OMBIED 10 The Fig.	•	A	las Sheet Coor	dinates <u>2</u>	<u>.5 : 32 : 487 </u>			
OWNER IDENTIFICATION - Owner_ Address	SOMESSET COUNTY	7.02		•				
Address	P.O. BOX 3000	. 01						
City	SOMERVILLE		Ciale NT					
		·	State In		Zip Code <u>08876</u>			
WELL LOCATION - If not the same as	s owner please give addre	ess. C	wner's Well No	Mari	1-1			
County	Municipality							
CountyAddressCo_14I	First Acure RARIT	AN BORO		LOT NO	Block No			
TYPE OF MELL 4								
TYPE OF WELL (as per Well Permit C			_ Date v	well complet	ed 12 1 16 193			
Regulatory Program Requiring Well_	- ICTP		Case I	ID#	_			
CONSULTING FIRM/FIELD SUPERVI	ISOR (if applicable)			—— 9 2	2 -12-23-1439			
WELL CONCEDUCTION	тем фринцију				Tele. #			
WELL CONSTRUCTION	1	Dapth to	Depth to	Diamet	T			
Total depth drilled 12 ft.		Top (ft.)	Bottom (ft.)	Diameter (inches)				
Well finished to//ft.		[From I	and surface]	(inches)	. The sug waterist			
Borehole diameter:	Inner Casing	0						
Top 12 in.	Outer Casing		1 1	4	Sch. 40 PVC			
Bottom 12 in.	(Not Protective Casing)		1.					
	Screen		1					
Well was finished: above grade	(Note slot size)	<u> </u>	11	4	.00 PVC			
₹ flush mounted	Tail Piece		1					
If finished above grade, casing	Gravel Pack	0.1						
height (stick up) above land	Olayet Face	<u>.8'</u>	12		4 1			
surfaceft.	Annular Seal/Grout	0	1.8		Cement-Bertonite			
Was steel protective casing installed?	Method of Grouting				CEMED C S (SEUTONITE			
Yes No	· Crossing	- GAN	ity Place	ement				
Static water level after drilling 2				(Conies	of other medicals in the second			
Water level was measured using		GE	OLOGIC LOG	geophy:	of other geologic logs and/or sical logs should be attached.)			
Well was developed to	· scope		. 11					
Well was developed forhour	s atgpm	1	0-6" Asphalt					
Method of development BailcR			1"-1.5' Per Garel					
Was permanent pumping equipment ins	talled? Yes No		6"-1.5' Per Gravel 1.5-4' Clay - Brown					
cump capacitygpm			1.5-4	CIAY	- 13mm			
Pump type:		- 1		0.1.	Brown Silke clay			
Orilling Method HSA	_ 		4'-11	4	Brown silty clay ale pebbles agrarel			
Orilling Fluid Nove Type of	57							
lame of Driller Wellington Re		11'-12'	Red	Shale_				
lealth and Safety Plan submitted? Yes No								
•	vel of Protection used on site (circle one) (None D) C B A							
I.J. License No	o, mone in C is A	ĺ						
ame of Drilling Company	-		,					
TAN	SES C. ANDERSON A	2000			-			
certify triat i flave onlied the above-r	eferenced well in accor	dance with	u. I all well normi	it requirem	ente and all applicable			
tate rules and regulations.			poilin	. rodonanik	orno and an applicable			

Driller's Signature Wellington Rewe 50

Date 12-22-93

FORM 87-10M

25.32.487

DEPARTMENT OF CONSERVATION
AND ECONOMIC DEVELOPMENT
DIVISION OF WATER POLICY & SUPPLY

Permit No. 2 5-9635Application No.
County

WELL RECORD

The Kr	ROURD		• •	
25-91	£35		••	į
To United Mrs Forda Can fair		202		
Owner's Well No.	SURFACE	ELEVATION	Somerville	. N. J.
2. IOCATION a 1			100	Feet
2. LOCATION Bridgewater Two. So. 3. DATE COMPLETED Oct 25 1810 DETUTED	merse+	'	Above mean s	ea level)
DRILLINK	D_{i} ,	1 1/4/1 0	. 11	
4. DIAMETER: Top 6 Inches Botto	om l	Inches	rilling G	
J. UNDING: Type (1)	iameter		TOTAL DEPTH	Feet
o. Scheen: Type Opening Di	iameter	6 Inches		
		Tucues	Length_	Feet
(Bottom Feet	Geo.	logic Forma	tion	
rees				
Tail piece. Diameter Inches	_			•!
7. WELL FLOWS NATURALLY Gallons 1	Leng	gth	Feet	•
Water misse to	ute at	Foot	above surfac	A
8. RECORD OF TESTs. Date	ove surfac	e		·
8. RECORD OF TEST: Date Oct 25, 1960 Static water level before pumping 74	Yield	, -	Ce11	
Static water level before pumping 74 Pumping level 60			Garron	s per minute
feet below sur	rface ofte		rear D	elow surface
How Purmed	Capacity	- Cale	non	rs pumping
How Pumped A.	•	draw	joan her urru be	rit, of
	_ How meast	med 12 1		¿ .
Observed effect on nearby wells 9. PERMANENT PUMPING EQUIPMENT.	۷			
Type Not 1	installed E	by Daller		
Capacity G.P.M. How Driven Depth of Pump in well Feet	Name			
Depth of Pump in voll		H.P.	R.P.M	
Depth of Air Jino in Table	_pepth of	Footpiece i	n well	
Depth of Air Line in well Feet 10. USED FOR Residence AMOUNT A	_Depth of]	Meter on Pu	mo	Feet
	ACTURE	200	Gallow	B Daily
11. QUALITY OF WAT R Good Sample:	aximum	500	Gallon	Baily
Taste Nage Odor 4/ C-3	Yes	No		Darry
Taste None Odor None Color No. 12. IOG All Shale	remp	51 0	7	
Give details on by	Are sa	amples arei	-1-1	•
please furnish come	arate shee	t. If election	trie 7	
12. IOG All Shale (Give details on back of sheet or on sep please furnish copy)		TI STE	oric tog was	made,
13. SOURCE OF DATA				
14. DATA OBTAINED BY Self				
		Date Cot	25,1960	
(NOTE: Use other side of this sheet for acmaterials penetrated, analysis of the water	dditiono	- <u>- 1/</u>	~ / 1760	
arrangements at a state analysis of the water	er. sketch	LOI Ormation	such as log	of
materials penetrated, analysis of the water arrangements etc.)	- 5 0.00011	web skele	or special	Casing
)	() XX	1 Ki.	gewate,	
	200	Urid	gewate,	7
•		•	,	$- /\omega \rho$
·				•

FORM 87

DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT DIVISION OF WATER POLICY & SUPPLY

25-32-4881
Peralt No. 35-11615
Application No.
County

	WELL RECORD 25.32, A88
1.	OWNER Hagon + Norman lee ADDRESS R. D.4 Somerville, N.J.
	Owner's Well No SURFACE ELEVATION Feet
2.	LUCATION Draw liburg Tie C /
3.	DRILLED Nov 1, 1963 DRILLED Drawn 1641 13 11
4.	TATAL DERTIES DOLLOW VINCENCE TATAL DERTIES
5.	Diameter Care
6.	SCREEN: Type Size of Opening Diameter inches Length Feet
	Range in Depth { TopFeet Geologic Formation Rb
	Tail piece: Diameterinches LengthFeet
7.	WELL FLOWS NATURALLY Gailons per Minute at
	water rises toFeat above surface
8.	RECORD OF TEST: Date Nov 1, 1963
	Static water level before pumping 46
	rumping level 130 feet below surface after /
	Drawdown 34 Feet Specific Capacity 7 Gale par all parts
	How measured Par
	observed effect on nearby wells λ_{anc}
9.	PERMANENT PUMPING EQUIPMENT: Not installed to a "
	Hfrs. Name
•	Capacity G.P.M. How Driven u a
-	Depth of Pump in wellFeet Depth of Footpiece in wellFeet
	Depth of Air Line in wellFeet Type of Heter on Pump SizeInches
10.	USED FOR Residence AMOUNT Average 200 Gallons Daily
цí.	QUALITY OF WATER Good Hallons Daily
	QUALITY OF WATER 600 d Taste None Odor None Color None Temp. 49 of
12.	LOG All Shale (Oive details on back of sheet or on separate sheet. If electric log was made, please
13.	SOURCE OF DATA Well
14.	
-	DATA OBTAINED BY Dryler Date Nov 1, 1963

DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT DIVISION OF WATER POLICY & SUPPLY

Permit No.	25	-8977
Application		
County		

		THE PULL & SUPPLY	County
2	WELL		25.32.487
1.	OWNER Joseph Marshall Owner's Well No.	_ ADDRESSR.D. 3	1
		- SURFACE FIEVATION	an an an an an an an an an an an an an a
2.	Owner's Well No		
3.	DATE COMPLETED Oct 29, 1959 DRII	LIFR Dinung 161	1 0.11
4.	DATE COMPLETED Oct 29, 1957 DRII DIAMETER: top 6 Inches Botton 6 CASING: Type Steel	last Well	Drilling Co
5.		· · · · · /	
6.	SCREEN. T Size of	lameterinches	Length 40 Feet
٠.	SCREEN: TypeSize of	liameterInches	LengthFeet
	Range {	eologic Formation	
	Tail piece. DiameterInches	length	
7.	WELL FLOWS NATURALLY Gallons per H	insta at	.Feet
	Water rises toFeet a	have aves	Feet above surface
€8.	RECORD OF TEST: Date Oct 29, 1957 Yield	DOAG SALISCE	
	Static water level before		Gallons per minute
	Static water level before pumping 174		Feet below surface
	reet below sur	face after /	
	reet Specific Can	lacity 4 A.	
			9.1
_	Wence on nearby wells		
9.	· - word in i topicing rullipment.	-	
	Type <u>Submersible</u> Hfre.	Name Meyers	•
	G.P.M. How Drive	n Electric un	/2
	Depth of Pump in wellFeet	Nenth of Footstoo	R.P.N. 3730
	Feet	Dank at it i	
10.	USED FOR Residence	ALOUNT OF Meter on P	ump
		AMOUNT Average 2	Gallons Daily
11.	QUALITY OF WATER Good	MaximumS	Gallons Dally
	QUALITY OF WATER Good	Sample: Yes_	No
12.	laste Nane		
	LOG All Shale (Give details on back of shoot or on separate furnish copy)	Are sample	s available No.
13.	SOURCE OF DATASelf		
14.	DATA OBTAINED BY Sett	Date	Oct 29, 1959
	(NOTE: Use other side of this sheet for addition analysis of the water, akotch map, sketch of a	onel information such as I	of saterials persetrated

25 • 32 • 489

DEPARTMENT OF ENVIRONMENTAL PROTECTION 25.32.489 25.21308

Permit No.	<u>25</u>	21308	, ,
Application			
County -			

WELL RECORD

1.	OWNER CON NAIL ADDRESS JOHNSON DAIVE	
	Owner's Well No	
2.	Owner's Well No SURFACE ELEVATION	· Iovel)
8.	a BATE BAND FYPE TO COL	
	The series is the series in the series of the series in th	Pauline "
4.	To Dinmeter topInches Bottom ')	_
5.		
6.	Opening 20 Diameter 3	_
	Range in Depth { TopFest Geologic Formation Length Geologic Formation Length	ccay,
	Tail pieces Diameterinches LongthFeet	
7.	WELL FLOWS NATURALLY Gallons per Minute at Feet above	
- 27	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
8.	RECORD OF TEST: Data	
	Static water level before pumping 20' /" Feet belo	er minute
	- And Anial Ania bushing — No	
	Pumping levelfeet below surface afterhour	. pusing
	How measured_	
_		
9.		
	Type Hfrs. Hame Capacity G.P.N. How Drives	r
	Depth of Pump in well Feet Depth of Footpiece in well	· // · · · · · · · · · · · · · · · · ·
	Depth of Air Line in wellFeet Type of Heter on Pump Siz	Feet
^	Signa For	einches
٠. ٠	ONALITY OF WATER	ns Daily
11.	· TOUCHE OF WAIRE	ns Daily
7,		o p
)	(Olvo details on back of sheet or on separate sheet. If electric log was made, sie	However
3.		·• •
4.	DATA OBTAINED BY LODIS ONTEK Date	
	(NOTE: Use other side of this sheet for additional torons.	-

very compact

high Pl

7 OF 14 87

DEPARTMENT OF ENVIRONMENTAL PROTECTION

25.32.489 25.2\309 WELL RECORD

Permit No	25	-21	309
Applicati			
County			

ı.	OWNER CON SALL ADDRESS JOHNSON PA
	OWNER CON SAFA ADDRESS JONNSON DA. Owner's Well No. 2 SURFACE ELEVATION (Above mean sen level) Feet
2.	LUCATION
3.	DATE COMPLETED 3-5-80 DRILLER Lows ONTER homeno PRILLING CO MC
٤.	DIAMETER: top 3 Inches Bottom 3 Inches TOTAL DEPTH 24
₹.	CASING: Type PVC Diameter 5
в.	SCREEN: Type PVC Size of 20 Dismeter 3 Inches Length 20 Feet
	Range in Depth { TopFeet Beologic Formation SINT ~ CLBY, GABVEL She
	Tail piecel DiameterInches LengthFeet
	WELL FLOWS NATURALLY Gailons per Hinute at Feet above surface
	Water rises toFeet above surface
•	RECORD OF TEST: Date Yield Religne and plants
	RECORD OF TEST: Date Static water level before pumping 11'4' Feet below surface
	The second second section sect
	have and the surface after
	have and the surface after
	DrawdownFeet Specific Capacity Gala, per min. page 54 of decident
	Drawdown Feet Specific Capacity Gals. per min. per ft. of drawdown Now Pumped How measured Feet
	Drawdown Feet Specific Capacity Gals. per min. per ft. of drawdown Now Pumped How measured Feet Observed effect on nearby wells
•	DrawdownFeet Specific Capacity
•	DrawdownFeet Specific Capacity
•	Drawdown Feet Specific Capacity Gals. per min. per ft. of drawdown Now Pumped How measured Specific Capacity Gals. per min. per ft. of drawdown Now Pumped How measured Specific Capacity How privan
•	Drawdown Feet Specific Capacity Gale. per min. per ft. of drawdown Now Pumped Now measured Feet Depth of Footpiece in well Feet
•	Drawdown Feet Specific Capacity Gals. per min. per ft. of drawdown Now Pumped Now measured Feet Now measured Feet Now measured Feet Now measured Feet Now measured Feet Feet
•	Drawdown Feet Specific Capacity Gals. per min. per ft. of drawdown Now Pumped Now measured INC Deserved effect on nearby wells PERMANENT PUMPING EQUIPMENT: Type Mfrs. Name Capacity G.P.H. How Driven H.P R.P.H Depth of Pump in well Feet Depth of Footpiece in well Feet Depth of Air Line in well Feet Type of Neter on Pump Size Inches USED FOR OBSCRNATION AMOUNT { AMOUNT Average Gallons Daily OUALITY OF WATER
•	DrawdownFeet Specific Capacity
•	Drawdown Feet Specific Capacity Gale, per min. per ft. of drawdown Now Pumped Now measured ISTC Deserved effect on nearby wells PERMANENT PUNPING EQUIPMENT: Type Nfrs. Name N.P. R.P.M. Depth of Pump in well Feet Depth of Footplace in well Feet Depth of Air Line in well Feet Type of Neter on Pump Size Inches USED FOR OBSCRVATION AMOUNT AVERAGE Gallons Daily QUALITY OF WATER Sample: Yes No. Taste Odor OK Color CLEM. Temp. OF
•	Drawdown Feet Specific Capacity Gale. per min. per ft. of drawdown Now Pumped Now measured TAC Observed effect on nearby wells PERMANENT PUNPING EQUIPMENT: Type Mfrs. Name
•	Drawdown Feet Specific Capacity Gals. per min. per ft. of drawdown Now Pumped Now measured INC Deserved effect on nearby wells PERMANENT PUNPING EQUIPMENT: Type

25-21309

PRO	JECT Con	-Raţl vices In)C.			R. D	Dullo 3, BOX ON, N. J. RING LOO	. 08527	SHEET 1 OF 1 Job No. 7007 BORING NO. W-2 LINE B STA. OFFSET	
		25.3	2130	7			DATE, F	TART:	GROUND ELEVATION	l' is
SAME	LER OD		ID			ENGTH	SANF OF SAMP	LER LBS	CASINGSAMPLER	
BELC SUR- FACI	PER FOOT	BAMPLE NO. BEPTHE ELEY. FT.	0-8	P - IS IS - IS FO S S WAS T ES FOAS SEE 9.	0 to 0 to 0 to 0 to 0 to 0 to 0 to 0 to		MODILE MARRE PEPTM ELEV.		IDENTIFICATION OF BOILS REMARKS	
- 10					20' Well Screen		181	Nois ODS	of O/A	
-3	0						231	Decomposed sha	ale.	
) CI	ayey SILT LT 8 CL AY 9 SILT LTY CLAY	ector:	Clayey Si slight Pl low Pl, medium Pl high Pl yery high	T T T	ia	Hell IDENT	per LC TIFIC ATIO		10% soft (S) 0.1 - 70% firm (F) 05 - med. hard (MH) 1.0 - hard (H) 2.0 -	0.51sf 1.01sf 2.01sf 4.01sf 4.01sf

25.32.489

F034 87

DEPARTMENT OF ENVIRONMENTAL PROTECTION 25.32.489 25.21310

WELL RECORD

ı.	OWNER CONSAIL ADDRESS JONN SON PAINS
	OWNER CONSAIL ADDRESS NOAN SON PAINS Owner's Well No. 3 SURFACE ELEVATION (Above mean con level) Feet
2.	LANTING PLATE (AL.)
3.	DATE COMPLETED DRILLER LOUIS ONTEK PIAMOND PALLELING COME-
4.	DIANETER: top 3 inches Bottom 5 inches TOTAL DEPTH 22 Feet
5.	CASING: Type PC Diameter 3 Inches Length 2 Feet
6.	SCREEN: Type PVC Size of 20 Diameter 3 inches Length 20 Feet
:	Range in Depth { Top Feet Reclogic Formation SAT CLBY, SHALE GARVE
	Tail piece: Diameterinches LengthFeet
7.	WELL FLOWS HATURALLY Gallons per Minute at Feet above surface
)	Water rises toFeet above surface
В.	
	Static water level before pumping 14' 10" Feet below surface
	Pumping levelfeet below surface afterhours pumping
÷	DrawdownFeet Specific CapacityGals. per min. per ft. of drawdown
	How Pumped How measured
	Observed effect on nearby wells
٥	
_	PERMANENT PUMPING EQUIPMENT:
•	PERMANENT PUMPING EQUIPMENT:
•	PERMANENT PUMPING EQUIPMENT:
4	Type Hfrs. Name H.P R.P.M
4	PERMANENT PUMPING EQUIPMENT:
ě	PERMANENT PUMPING EQUIPMENT: Type
ě	PERMANENT PUNPING EQUIPHENT: Type
	PERMANENT PUNPING EQUIPMENT: Type
	PERMANENT PUMPING EQUIPMENT: Type
0	Type
0	PERMANENT PUMPING EQUIPMENT: Type

25-213/() SHEET_1 Diamond Drilling Co. Inc. Con-Rail PROJECT Job No. 7007 Coastal Services Inc. R. D. 3, BOX 365 BORING NO. JACKSON, N. J. 06527 LINE & STA. Raritan, N.J. low blk.61 BORING LOG OFFSET. Coord: 25.32.489 GROUND ELEVATION_ DATE, START: _ GROUND WATER ELEV. 24 120" DATE FINISH 3/5/80 25.21310 LBS. HAMMER FALL ON CASING . WEIGHT OF HAMMER 0.0 _____1.0 . SAMPLER OD _____ID LBS CASING ____SAMPLER _ INSIDE LENGTH OF SAMPLER COUPLING OD -__ 10 IBERTIFICATION 81045 PER 6 SEMITY OR CONSTITUTE O-6 6-18 12-1834-14 MOISTURE BAMPLE BOILS BE WARKS BEFTH BELOW SUR-FACE PER FOOT 7 12 Red- silt tr.clay -10 13' 5 Green- silty clay v 120 17: 1 PVC Red- silt tr. clay 70 - 20 221 Meathered shale. -30 Los Ontek Soils Engineer .. Helper . Drilling Inspector: __ VISUAL IDENTIFICATION TERMS USED Consistency of Clayer soils Relative Density (DR) of granular soils At Ball Maisture 0.1 - 0.5 tsf Clayey Sails Thread I/4"
Thread I/8"
Thread I/16",
Thread I/32,
Thread I/64 (L) 0-40% (S) soft 05 - 1.01sf 1.0 - 201sf 2.0 - 4.01sf slight Pl firm (F)
med hard (MH)
hard (H)
very hard (VH) medium compact (MC) 40 - 70% compact (C) 70 - 90% Clayer SILT SILT B CLAY low PI medium PI very compact

high PI

Silty CLAY

very hard

	•	
FORM	ъ7.	104

DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT DIVISION OF WATER POLICY & SUPPLY

Permit No. 25-9459	_
Application No.	_
County	_

25	32.	1PA.
· 2	5.9	459

	WELL RECORD 25.34.491 25.9459
1.	OWNER Angelo Caruso ADDRESS Raritan, N.J.
•••	Owner's Well No SURFACE ELEVATIONFeet
•	LOCATION Resitan Somesset
2. 3.	DATE COMPLETED July 25, 1910 DRILLER DINUNZI Well Drilling Go
3. 4.	DIAMETER: top 6 inches Botton 6 inches TOTAL DEPTH 167 Feet
5.	CASING: Type Steel Diameter 6Inches Length 32Feet
٠.	Size of SCREEN: TypeOpeningDiameterInches LengthFeet
٥.	(Top feet Geologic Formation
	Range Top Feet Geologic Formation
	Tail piece. DiameterInches LengthFeet
7.	WELL FLOWS NATURALLY Gallons per Hinute at Feet above surface
•	Water rises toFeet above surface
8.	RECORD OF TEST: Date 10/25, 1960 Yield 10 Gallons per minute
	Static water level before pumping Feet below surface
	Pumping levelfeet below surface afterhours pumping
	Drawdown 2º Feet Specific Capacity 3 Gals. per min. per ft. of drawdown
	How Pumped Air How measured Pai
	Observed effect on nearby wells None
9.	, , , , , , , , , , , , , , , , , , ,
	Type Hfrs. Name
•	Depth of Pump in wellFeetDepth of Footpiece in wellFeet
	Depth of Air Line in wellFeetDepth of Neter on Pump
	. USED FOR Residence AMOUNT Average 200 Gallons Daily
10	Maximum Gallons Daily
11	. QUALITY OF WATER Good Sample: Yes No
• •	- None odor None Golden None Temp. 51 of
i 2	LOG All Shale Are samples available No
	furnish copy)
13	1. SOURCE OF WATER
11	DATA OBTAINED BY Self Date Joy 25 (780)
	ALLOW IN TAXABLE AND OF THIS SHEET TOT SQUILLONGS SHEETSAWA THE THE TAXABLE TO SEE THE SAME SAME TO SEE THE SAME SAME TO SEE THE SAME SAME SAME TO SEE THE SAME SAME SAME SAME SAME SAME SAME SAM

rcm DWR- 138

Coord: 2532491

STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES

PERMIT NO. 2524607

APPLICATION NO. _____

25.32.491

Somerset

LS . SAGOT

1.	OWNER HEAGNEY, MICHAEL ADDRESS 97 FIRST AVE. Owner's Well No. SURFACE ELEVATION (Above meen see level)	
	Owner's Well No. SURFACE ELEVATION	Feet
2	LOCATION Lot: 10 Block: 33 Municipality: Raritan Boro	
3,	DATE COMPLETED March 29, 1985 DRILLER Somerville Well Drilling Co.	
4.	DIAMETER: Top10 inches Bottom 6" inches TOTAL DEPTH 125'	Feet
5.	CASING: Type Drive Diameter 6" Inches Length 52"	Feet
6.	SCREEN: Type Size of Opening Diameter Inches Length	Feet
	Range in Depth	
	Tail Piece: DiameterInches LengthFeet	
7.	WELL FLOWS NATURALLY Gallons per minute at Feet above surface	
	Water rises to Feet above surface	•
8.	RECORD OF TEST: Date March 29, 1985 Yield 12 Gallons per minute	
	Static water level before pumping Feet below surface	
	Pumping level 100° feet below surface after 8 hours pumping	-
	Drawdown 701 Feet Specific Capacity 2 Gals, per min, per ft. of drawdown	
		-
	How pumped Air How measured Weir	
	Observed affect on nearby wells	
9.	PERMANENT PUMPING EQUIPMENT:	
	Type Mfrs, Name	
	Capacity G.P.M. How Driven H.P R.P.M	
	Depth of Pump in well Feet Depth of Footpiecs in well Feet	
-	Depth of Air Line in well Feet Type of Meter on Pump SizeInches	
		-
10.	USED FOR Domestic AMOUNT AMOUNT AMOUNT Amount Gallons Daily	٠
11.	. QUALITY OF WATER good Sample: Yes No X	
	Taste none Odor none Color Clear Temp. °F.	
12.	LOG 20'-20'overburden 20-125 shale Are samples available? No (Give details on back of sheet or on separate sheet. If slectric log was made, please furnish copy.)	
	SOURCE OF DATA Somerviller Well Drilling Co. Inc.	
	Date March 29, 1985	

52854

DWR-138 M 11/96

New Jersey Department of Environmental Protection Bureau of Water Allocation MONITORING WELL RECORD Well Permit No. 25

OWNED IDENTIFICATION O	onen priorega a	**************************************	Atlas She	et Coordina	tes25 .32	491
OWNER IDENTIFICATION - Owner		51145			,	
Address 1001 ROUT City RARITAN	State		NJ	· · · · · ·	Zip Code	
·			1		•	
WELL LOCATION - If not the same as of CountySCHROSET	owner please give address.	Owner's	s Well No.	BS		
County SCHERSET	Municipality RARIT	AN BOR		No. 14	Block N	lo. 31
Address 1001 ROUTE 202 N						
TYPE OF WELL (as per Well Permit Ca Regulatory Program Requiring Well			Case I.I	D.#	LL STARTED	
CONSULTING FIRM/FIELD SUPERVIS	OR (if applicable)	ren /	aut c	wer	Tele. #	
WELL CONSTRUCTION	Note: Measure all depths	Depth to	Depth to	Diameter	11-1-2-1	Wgt./Rating
Total depth drilled 30 ft. Well finished to 30 ft.	from land surface	Top (ft.)	Bottom (ft.)		Material	(lbs/sch no.)
Well finished toft.	Single/Inner Casing		,			
Borehole diameter:	Middle Casing			<u>-</u>		
Topin. Bottomin.	(for triple cased wells only)				. 6	ļ
Bottom in.	Outer Casing				W/V	
Well was finished: ☐above grade	(largest diameter)				B C	ļ
☐ flush mounted	Open Hole or Screen			ץ וש	•	
If finished above grade, casing height (stick	(No. Used) Blank Casings		18	1		
up) above land surface ft.	(No. Used)		\mathcal{Y}°			
Was steel protective casing installed?	Tail Piece		7:			
Yes No Static water level after drilling to taken			1			ļ
Water level was measured using	Gravel Pack		,	<u> </u>		1
-	- Grout			3	Neat Cement Bentonite	2.5 lbs.
Well was developed for Ataev. hours at gpm				Tren		202
	9	routing Ma rilling Ma	ethod	INITE	otari	
Method of development		tilling Mic			7	
Was permanent pumping equipment installe	ed? LYes ANo			GEOLOG	SIC LOG ·	
Pump capacity gpm		Note e	ach depth who		as encountered in	consolidated
Pump type:		format	ions	1. A	Bocin	You mit
	of Rig <u>B-80</u>		Dues	wer .	Journ	
Health and Safety Plan submitted? Pes	∏ No		7 7	र उँ	>'	
Level of Protection used on site (circle one)						
Well Driller (Print) Steve Votco			le	Û	tacke	d
Driller's Signature Tue	Coolu Date 9 / 3 /98		· · · · · · · · · · · · · · · · · · ·			
Registration No.	_ Date <u> </u>				· · · · · · · · · · · · · · · · · · ·	

DWR-138 M 11/98

New Jersey Department of Environmental Protection **Bureau of Water Allocation**

M

ONITORING WELL RE	CORD	25	54995
	Well Permit No.		- 34773

()	ORTHO CLINICAL DIA	SCHOSTIC	Atlas Shee	t Coordinate	es25 :32	471
OVINER IDENTIFICATION - Owner 1001 ROUTE	202 1					
Address RARITAN	State		ŊĴ	Z	ip Code	
WELL LOCATION - If not the same as ow SOMERSE I County			S Well No. 글 10 Lot	No		lo31
TYPE OF WELL (as per Well Permit Cate Regulatory Program Requiring Well	INJECTION INJECTION IN SPINOP	NC NC	DAT Case I.I	E WELL CO	OMPLETED9	/3/99 /3/99
CONSULTING FIRM/FIELD SUPERVISO	R (if applicable) McLare	n Hart En	vironmental	Engineerir	1816. #	
WELL CONSTRUCTION Total depth drilledft.	Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Well finished toft.	Single/Inner Casing	O,	17'	4"	Steel	19 lbs
Borehole diameter: Top 8" in. Bottom 4" in.	Middle Casing (for triple cased wells only)				
Bottom4" ın. Well was finished: □ above grade	Outer Casing (largest diameter)				· · · · · · · · · · · · · · · · · · ·	
If finished above grade, casing height (stick	Open Hole or Screen (No. Used)	17'	45'		Open Hole	
above land surface ft.	Blank Casings (No. Used)					
steel protective casing installed? Yes X No	Tail Piece				·	
Static water level after drilling 15' ft.	Gravel Pack					
Water level was measured using Tape	Grout	0'	17'		Neat Cement Bentonite	470 lbs. 25 lbs.
Well was developed for		Arouting M Drilling Me		nie Rotary	Domorate	<u> </u>
Method of development Pump		Jillinig wie	11100			
Was permanent pumping equipment installed	? Li Yes M No			GEOLOG	GIC LOG	alidated
Pump capacitygpm Pump type:		Note e forma		ere water w	as encountered in	Consolidated
	of Rig B-80	·	·			
Health and Safety Plan submitted? Yes [See A	Attached		
Level of Protection used on site (circle one)	None (C) C B A					
I certify that I have constructed the a accordance with all well permit requi State rules and regu	rements and applicable lations.		· · · · · · · · · · · · · · · · · · ·			
Drilling Company	LL DRILLING CO INC	-				
Mell Driller (Print) Steve Yotcoski		-				
Driller's Signature Here Got	coski	-				
Registration No. J1622	Date 9 / 14 / 99			<u> </u>		

COPIES:

White - DEP

Canary - Driller

Pink - Owner

Goldenrod - Health Dept.



Chimney Rock Road, Bldg. 9W Bound Brook, NJ 08805

Telephone:

Toll Free: FAX:

(908) 722-4266 (800) 242-6648 (732) 356-1009

http://www.summitdrilling.com email: info@summitdrilling.com

WELL LOG

WELL: IW1

DATE DRILLED: 09/03/1999 COORD #1: 25.32.491

COORD #2:

PERMIT #1: 25-54995

COUNTY: Somerset

SITE: Ortho Diagnostic Systems,, 1001 Route 202 North, , Raritan, NJ 08869

PERMIT #2:

XSTREET:

OWNER: Ortho Diagnostic Systems,, 1001 Route 202 North, , Raritan, NJ 08869

INNER CASING: Steel

OUTER CASING:

SCREEN TYPE 1: Open Hole

USE: Injection

DIAMETER:

DIAMETER: LENGTH:

SCREEN TYPE 2: DIAMETER:

DRILLING METHOD: Air Rotary SAMPLING METHOD:

LENGTH:

17'

LENGTH 1: LENGTH 2: HOLE DIA: 8", 4"

SET WELL: 45 GRAVEL PK SZ:

GAL PER MIN: 1/2 STAT H20 LVL: 15'

SLOT SIZE:

TOTAL DEPTH: 45'

Steve Yotcoski DRILLER:

DEVELOPMENT METHOD: Pump DEVELOPMENT TIME: 1/2 Hour

Open Hole

CASING SEAL: Portland

OPEN HOLE:

SURFACE COMPLETION: M

BLOWS PER 6"

DEPTH BELOW SURFACE

ON SAMPLER

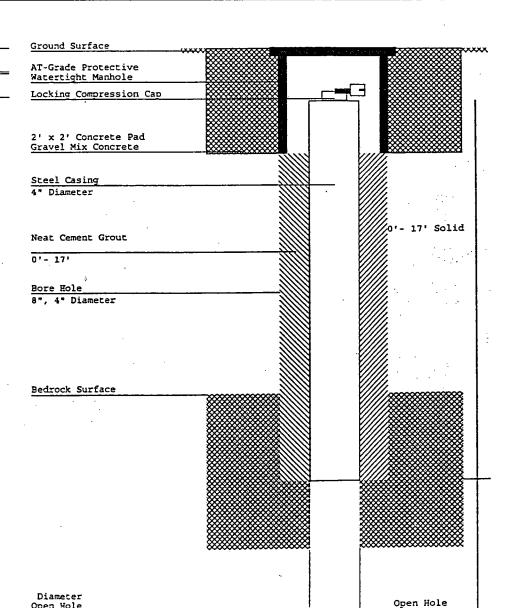
FROM - TO

REMARKS / SOILS IDENTIFICATION

0'- 2' Grass & top soil.

2'- 8' Red-brown silty clay trace gravel.

8'- 45' Red shale.



DWR-138 M 11/98

New Jersey Department of Environmental Protection
Bureau of Water Allocation
MONITORING WELL RECORD

<u> </u>	25	E 4000	
Well Permit No.	25	54998	

OMQ DMQ						
OWNER IDENTIFICATION - Owne	r ORTHO CLINICAL DIÀ	GNOSTIC	Atlas Shee	et Coordinat	es25 <u>. 32</u>	491
Address 1001	ROUTE 202 N		 			
City RARI	TAN State		, un	2	Zip Code	
WELL LOCATION - If not the same Sounty	VZ 13	-		DATE WELL	STARTED 9	/ <u>3/99</u>
TYPE OF WELL (as per Well Perm Regulatory Program Requiring Wel			Case I.[D.#	OMPLETED9	
CONSULTING FIRM/FIELD SUPE	RVISOR (if applicable) McLare	n Hart En	vironmental	Engineeri	1816. #	
WELL CONSTRUCTION Total depth drilled 30° ft. Well finished to 30° ft.	Note: Measure all depths from land surface	Depth to Top (ft.)		Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Well finished toft.	Single/Inner Casing	0,	12'	4"	Steel	19 lbs
Borehole diameter: Top in. Bottom 4" in.	Middle Casing (for triple cased wells only)					
Well was finished: □ above grade	Outer Casing (largest diameter)					·
[3] flush mounted	Open Hole or Screen (No. Used)	121	30'		Open Hole	
If finished above grade, casing height above land surfaceft.	Blank Casings (No. Used)			-		
was steel protective casing installed? Yes No	Tail Piece					
Static water level after drilling <u>10'</u>	_ Claver Lack		'	1		470
Water level was measured usingT Well was developed for1/2 Hour h	Grout	0'	12		Neat Cement Bentonite	470 lbs. —25 lbs.
atgpm	_; G	routing M	ethod tren	nie Rotary		· ·
Method of development Pump	- 4	Orilling Me				
Was permanent pumping equipment i				GEOLO		l' total
Pump type:	_ gpm	Note e forma		ere water w	ras encountered in	consolidated
Drilling Fluid	_Type of RigB-80					
Health and Safety Plan submitted?	•		See /	Attached		
Level of Protection used on site (circle						
SUMM						
Drilling Company Steve Yotcos	ski					
Ata.	Clota 1.	-				
Driller's Signature	you only	-				
Registration No. / J1622	Date 9 / 14, 99					

COPIES:

White - DEP

Canary - Driller

Pink - Owner

Goldenrod - Health Dept.



Chimney Rock Road, Bldg. 9W Bound Brook, NJ 08805

email: info@summitdrilling.com

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Toll Free:

(800) 242-6648

FAX: (732) 356-1009 http://www.summitdrilling.com

WELL LOG

WELL: IW4

DATE DRILLED: 09/03/1999 COORD #1: 25.32.491

COORD #2:

PERMIT #1: 25-54998

PERMIT #2:

COUNTY: Somerset XSTREET:

TOTAL DEPTH: 30'

SITE: Ortho Diagnostic Systems., 1001 Route 202 North, , Raritan, NJ 08869 OWNER: Ortho Diagnostic Systems,, 1001 Route 202 North, , Raritan, NJ 08869

USE: Injection

LENGTH:

INNER CASING: Steel 4" DIAMETER:

OUTER CASING: DIAMETER:

LENGTH:

SCREEN TYPE 1: Open Hole

SCREEN TYPE 2: DIAMETER:

LENGTH 1: LENGTH 2: DRILLING METHOD: Air Rotary SAMPLING METHOD: HOLE DIA: 8", 4"

SET WELL:

GRAVEL PK SZ:

GAL PER MIN: 1/2 STAT H20 LVL: 10'

SLOT SIZE:

CASING SEAL: Portland

DRILLER: Steve Yotcoski SURFACE COMPLETION: M

12'

DEVELOPMENT METHOD: Pump DEVELOPMENT TIME: 1/2 Hour

OPEN HOLE:

BLOWS PER 6" ON SAMPLER

DEPTH BELOW FROM - TO

SURFACE

REMARKS / SOILS IDENTIFICATION

0'- 2' Grass & top soil. 2'- 9' Red-brown silty clay trace gravel.

9'- 30' Red shale.

Ground Surface

AT-Grade Protective Watertight Manhole

Locking Compression Cap

2' x 2' Concrete Pad Gravel Mix Concrete

Steel Casing

4° Diameter

Neat Cement Grout

0'- 12'

Bore Hole

8", 4" Diameter

Bedrock Surface

Diameter

Open Hole

Open Hole

12' Solid

DWR-138 M 11/98

CODIEC Mihita - DEP

New Jersey Department of Environmental Protection Bureau of Water Allocation

Bureau d	of water Allocation
MONITORIN	IG WELL RECORD
•	Well Permit No.

WONTONING WI	<u>ELL NI</u>	Well Perm	it No. 25	54999	
		Atlas Shee			491
= 0.00 N				 	
State		NJ		in Code	
Otate					
ner please give addressMunicipalityRARI	Owner's	Well No. <u>-</u> 10 Lot	No14	Block N	031
			DATE WELL	STARTED 9	/ 3/ 99
INJECTIO P <mark>980002 - INVESTIGATIO</mark>	IN IN	DAT Case I.I	E WELL CO	MPLETED 9	/3/_99
R (if applicable) McLare	n Hart En	vironmental	Engineerir	1816. #	
	Depth to		Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	0,	12'	4"	Steel	19 lbs
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used)	12'	30'		Open Hole	
Blank Casings (No. Used)					
Tail Piece					
Gravel Pack					
Grout	0'	12		Neat Cement	470 lbs 25 lbs
	<u> </u>	u tren	nie	Bentonite	103
1. Ties Mino			GEOLOG	SIC LOG	concolidated
			ere water w	as encountered in	Consolidated
	<u> </u>				
of Rig B-80	ļ	·			
☐ No		See /	Attached		· .
					· · ·
irements and applicable liations.					
ELL DRILLING CO INC	-				
- 1 ·	-				
cosla	-				
Date 9 / 14 / 99	<u> </u>				
	ORTHO CLINICAL DIA E 202 N State Iner please give address. Municipality INJECTION PROBLEM INVESTIGATION OR (if applicable) McLare Note: Measure all depths from land surface Single/Inner Casing Middle Casing (for triple cased wells only) Outer Casing (largest diameter) Open Hole or Screen (No. Used) Blank Casings (No. Used) Tail Piece Gravel Pack Grout Grou	ORTHO CLINICAL DIAGNOSTIC E 202 N State Iner please give address. Owner's RARITAN BOR Municipality RARITAN BOR Municipality RARITAN BOR INJECTION OR (if applicable) McLaren Hart En Note: Measure all depths from land surface Top (ft.) Single/Inner Casing O' Middle Casing (for triple cased wells only) Outer Casing (largest diameter) Open Hole or Screen (No. Used) Blank Casings (No. Used) Tail Piece Gravel Pack Grout O' Grouting Monilling Measure all depths from land surface Top (ft.) Single/Inner Casing O' Middle Casing (largest diameter) Open Hole or Screen (No. Used) Tail Piece Gravel Pack Grout O' Grouting Mandring Measure all depths from land surface Top (ft.) Single/Inner Casing O' No. Used) Tail Piece Gravel Pack Grouting Mandring Measure all depths from land surface Top (ft.) Single/Inner Casing O' No. Used) No. Used) Note en formal of Rig B-80 No None O C B A Sabove referenced well in irrements and applicable collations. ELL DRILLING CO INC	Atlas Shee ORTHO CLINICAL DIAGNOSTIC E 202 N State NJ The please give address. Owner's Well No. In Municipality RARITAN BORO Lot RARITAN BORO Lot RARITAN BORO Lot RARITAN BORO Lot INJECTION DATE RARITAN BORO Lot RARITAN BORO Lot RARITAN BORO Lot RARITAN BORO Lot RARITAN BORO Lot RARITAN BORO Lot RARITAN BORO Lot RARITAN BORO Lot RARITAN BORO Lot RARITAN BORO Lot RARITAN BORO Lot RARITAN BORO Lot RARITAN BORO Lot RARITAN BORO Lot RARITAN BORO Lot RARITAN BORO Lot RARITAN BORO Lot RARITAN BORO Lot RARITAN BORO LOT RARITAN BORO	Well Permit No	Well Permit No. 25 . 54979 Atlas Sheet Coordinates 25 . 32 ORTHO CLINICAL DIAGNOSTIC E 202 N State NJ Zip Code Municipality RARITAN BORO Lot No. 14 Block N Municipality RARITAN BORO Lot No. 14 Block N INJECTION DATE WELL STARTED 9. DATE WELL STARTED 9. TWESTIGATION Case I.D.# Note: Measure all depths from land surface Top (ft.) Bottom (ft.) (inches) Single/Inner Casing O' 12 4" Steel Note: Measure all depths from land surface Top (ft.) Bottom (ft.) (inches) Single/Inner Casing O' 12 4" Steel Note: Casing (largest diameter) Open Hole or Screen (No. Used) Depth to Top (ft.) Bottom (ft.) (inches) Tail Piece Gravel Pack Grouting Method Tremie Bentonite Grouting Method Tremie Air Rotary Tail Piece Gravel Pack Grouting Method Tremie Bentonite Grouting Method Tremie Bentonite Top (ft.) See Attached None OC B A See Attached Could. Could.

Canary - Driller

Pink - Owner

Goldenrod - Health Dept.



Chimney Rock Road, Bldg. 9W Bound Brook, NJ 08805

Telephone: (908) 722-4266 (800) 242-6648

Toll Free: (732) 356-1009 FAX:

http://www.summitdrilling.com email: info@summitdrilling.com

WELL LOG

WELL: IWS

DATE DRILLED: 09/03/1999 COORD #1: 25.32.491

COORD #2:

PERMIT #1: 25-54999

PERMIT #2:

XSTREET:

SAMPLING METHOD:

HOLE DIA: 8", 4"

CCUNTY: Somerset

SITE: Ortho Diagnostic Systems,, 1001 Route 202 North, , Raritan, NJ 08869 OWNER: Ortho Diagnostic Systems,, 1001 Route 202 North, , Raritan, NJ 08869

LENGTH:

USE: Injection

Open Hole

DRILLING METHOD: Air Rotary

INNER CASING: Steel DIAMETER: LENGTH:

OUTER CASING: DIAMETER:

SCREEN TYPE 1: Open Hole

SCREEN TYPE 2:

DIAMETER:

LENGTH 1: LENGTH 2: TOTAL DEPTH: 30'

SET WELL: GRAVEL PK SZ:

30'

GAL PER MIN: 1/2 STAT H20 LVL: 10'

SLOT SIZE:

DRILLER: Steve Yotcoski DEVELOPMENT METHOD: Pump DEVELOPMENT TIME: 1/2 Hour

Diameter

Open Hole

CASING SEAL: Portland

OPEN HOLE:

SURFACE COMPLETION: M

DEPTH BELOW

BLOWS PER 6"

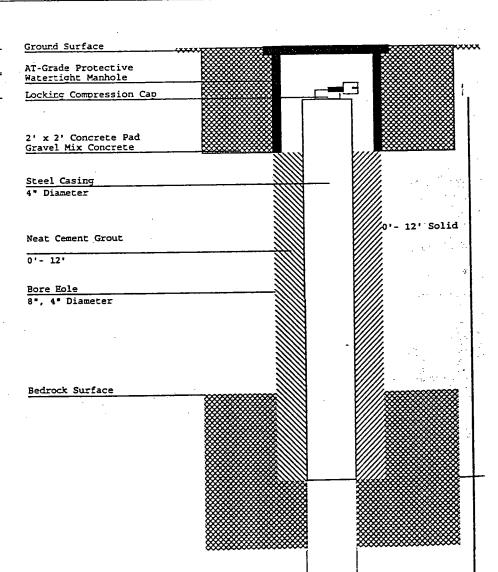
SURFACE FROM - TO ON SAMPLER

REMARKS / SOILS IDENTIFICATION

0'- 2' Grass & top soil.

2'- 9' Red-brown silty clay trace gravel.

9'- 30' Red shale.



DWR-183 M 11/98

White - DFP

Canary - Driller

Pink - Owner

COPIES

New Jersey Department of Environmental Protection

Bureau of Water Allocation
MONITORING WELL RECORD

	monitoriate in	<u> </u>	Well Perm	nit No. 25	54997	
O DMQ					es 25 : 32	2 491
OWNER IDENTIFICATION - Owner	ORTHO CLINICAL DIA	GNOSTIC	Huas Sher	et Cooldinat	es	171
1001	E 202 N					
Address 1001 R001 City RARITAN	State		NJ	7	ip Code	
WELL LOCATION - If not the same as ow	ner please give address.	Owner's	s Well No	DATE T	2	
VELL LOCATION - If not the same as ow County	MunicipalityRARI	TAN BOR	₹0 Lot	No. 14	Block N	lo31
Address 1001 R001E 202 N						
TYPE OF WELL (as per Well Permit Cate Regulatory Program Requiring Well	INJECTIO SOMPEN INVESTIGATION	N N	DAT	DATE WELL E WELL CC	STARTED ——9 MPLETED ——9	/ 3 / 99
						-
CONSULTING FIRM/FIELD SUPERVISO	OR (if applicable) McLare	n Hart En	vironmental	Engineerir	IBIE.#	
WELL CONSTRUCTION	Note: Measure all depths	Depth to		Diameter	Material	Wgt./Rating
Fotal depth drilled 43' ft. Well finished to 43' ft.	from land surface	Top (ft.)	Bottom (ft.)	(inches)		(lbs/sch no.)
veir imistred toit.	Single/Inner Casing	0,	12'	4"	Steel	19 lbs
Borehole diameter: Top8"in. Bottom4"in.	Middle Casing (for triple cased wells only)					
Bottom4" in. Well was finished: □ above grade	Outer Casing (largest diameter)					·
☑ flush mounted	Open Hole or Screen (No. Used)	121	43'		Open Hole	<u>Linn</u>
f finished above grade, casing height (stick bove land surface ft.	Blank Casings (No. Used)		·			
ivas steel protective casing installed? Yes No	Tail Piece			1		
Static water level after drilling 10° ft.	Gravel Pack			į		
Water level was measured using Tape	Grout	0,	12'		Neat Cement	_470_lbs. _25_lbs.
Well was developed for	Grouting Method Tremie					
Method of development Pump		routing M Prilling Me		Rotary		_:
Was permanent pumping equipment installed						
	1: 11es 17es			GEOLOG		. 10 d a A a d
Pump capacitygpm		Note e		ere water w	as encountered in	consolidated
Pump type:						
Drilling FluidType	of Rig B-80		· · ·	·		
Health and Safety Plan submitted? X Yes [See A	ttached		
Level of Protection used on site (circle one)	_					
I certify that I have constructed the a accordance with all well permit requ State rules and regu	irements and applicable ulations.					
Drilling Company	ELL DRILLING CO INC	-				
Il Driller (Print) Steve Yotcoski	1		· · · · · · · · · · · · · · · · · · ·		······································	
Driller's Signature Steve (fot	coski					
Registration No	Date 9 / 14 / 99					

Goldenrod - Health Dept.



Chimney Rock Road, Bldg. 9W Bound Brook, NJ 08805

Telephone:

(908) 722-4266 (800) 242-6648

Toll Free: FAX:

(732) 356-1009

http://www.summitdrilling.com email: info@summitdrilling.com

WELL LOG

WELL: IW3

DATE DRILLED: 09/03/1999 COORD #1: 25.32.491

COORD #2:

PERMIT #1: 25-54997 PERMIT #2:

COUNTY: Somerset

LENGTH:

SITE: Ortho Diagnostic Systems,, 1001 Route 202 North, , Raritan, NJ 08869 OWNER: Ortho Diagnostic Systems,, 1001 Route 202 North, , Raritan, NJ 08869

XSTREET:

USE: Injection

DIAMETER:

INNER CASING: Steel 4 "

OUTER CASING: DIAMETER:

SCREEN TYPE 1: Open Hole

DRILLING METHOD: Air Rotary SAMPLING METHOD:

SCREEN TYPE 2: DIAMETER:

HOLE DIA: 9", 4" TOTAL DEPTH: 43'

SET WELL:

43'

GAL PER MIN: 1/2

LENGTH 1: LENGTH 2: SLOT SIZE:

GRAVEL PK SZ: DRILLER:

12'

STAT H20 LVL: 10'

LENGTH:

DEVELOPMENT METHOD: Pump DEVELOPMENT TIME: 1/2 Hour CASING SEAL: Portland OPEN HOLE:

Steve Yotcoski

SURFACE COMPLETION: M

BLOWS PER 6* DEPTH BELOW ON SAMPLER SURFACE

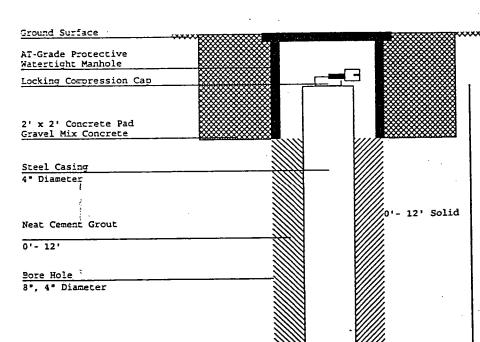
FROM - TO

0'- 2' Grass & top soil.

REMARKS / SOILS IDENTIFICATION

2'- 9' Red-brown silty clay trace gravel.

9'- 43' Red shale.



Bedrock Surface

Diameter Cpen Hole

Open Hole

DWR-138 M 11/98 '



New Jersey Department of Environmental Protection Bureau of Water Allocation

DMQ	MONITORING W	ELL RI	ECORD Well Perm	nit No25	- 54996	
			Atlac Shor		es25 <u>. 32</u>	2 491
OWNER IDENTIFICATION - Owner	ORTHO CLINICAL DIA	GNOSTIC	·			
AddressRARITA	IN State		иј	7	in Code	
City	State					
WELL LOCATION - If not the same a County			1		CTADTED A	./ a/: 00
TYPE OF WELL (as per Well Permit Regulatory Program Requiring Well _			DAT Case I.I	E WELL CO	MPLETED	1/3/99
CONSULTING FIRM/FIELD SUPER	VISOR (if applicable) McLare	n Hart En	vironmental	Engineerir	18i6. #	
WELL CONSTRUCTION Total depth drilled33'ft.	Note: Measure all depths from land surface	Depth to Top (ft.)		Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Well finished to 33' ft.	Single/Inner Casing	0,	12'	4"	Steel	19 lbs
Borehole diameter: Top 8" in. Bottom 4" in.	Middle Casing (for triple cased wells only)					, <u>.</u>
Well was finished: ☐ above grade	Outer Casing (largest diameter)					
flush mounted If finished above grade, casing height (st	Open Hole or Screen (No. Used)	12'	<i>3</i> 3 '		Open Hole	
above land surfaceft.	Blank Casings (No. Used)	_				
s steel protective casing installed? Yes No	Tail Piece					-
Static water level after drilling 10' ft.	CHATCH LON		ļ			· 6
Water level was measured usingTa	1 Grout	0	12'		Neat Cement Bentonite	4/11 lbs. 25 lbs.
Well was developed for 1/2 Hour hou	urs	<u> </u>	Tre	ll mie	Delitorine	
atgpm	G	irouting M Drilling Me	.eog ———	Rotary		1
Method of development Pump						
Was permanent pumping equipment ins				GEOLOG	SIC LOG	- consolidated
Pump type:		Note e		nere water w	as encountered in	1 consolidated
Drilling Fluid	Type of Rig B-80					<u> </u>
Health and Safety Plan submitted?	·		See	Attached		
Level of Protection used on site (circle						<u> </u>
I certify that I have constructed accordance with all well permit State rules and	requirements and applicable					
Drilling Company						
even Dimer (Find)	1	-				
Oriller's Signature	otcoski.	-				
Registration No	Date9 / _14 / _99					

COPIES:

White - DEP

Canary - Driller

Pink - Owner

Goldenrod - Health Dept.



Chimney Rock Road, Bldg. 9W Bound Brook, NJ 08805

Telephone:

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Toll Free:

(800) 242-6648

FAX: (732) 356-1009 http://www.summitdrilling.com email: info@summitdrilling.com

WELL LOG

WELL: IW2

DATE DRILLED: 09/03/1999 COORD #1: 25.32.491

COORD #2:

PERMIT #1: 25-54996

PERMIT #2:

CCUNTY: Somerset

SITE: Ortho Diagnostic Systems,, 1001 Route 202 North, , Raritan, NJ 08869

XSTREET:

OWNER: Ortho Diagnostic Systems,, 1001 Route 202 North, , Raritan, NJ 08869

SCREEN TYPE 1: Open Hole

USE: Injection

INNER CASING: Steel DIAMETER:

OUTER CASING: DIAMETER:

LENGTH:

SCREEN TYPE 2:

DRILLING METHOD: Air Rotary SAMPLING METHOD:

LENGTH:

12'

DIAMETER: LENGTH 1: LENGTH 2: HOLE DIA: 8". 4" TOTAL DEPTH: 33'

33' SET WELL: GRAVEL PK SZ:

GAL PER MIN: 1/2 STAT H20 LVL: 10'

SLOT SIZE:

CASING SEAL: Portland

DRILLER: SURFACE COMPLETION: M

DEVELOPMENT METHOD: Pump Steve Yotcoski DEVELOPMENT TIME: 1/2 Hour

OPEN HOLE:

BLOWS PER 6" DEPTH BELOW

SURFACE

ON SAMPLER

FROM - TO

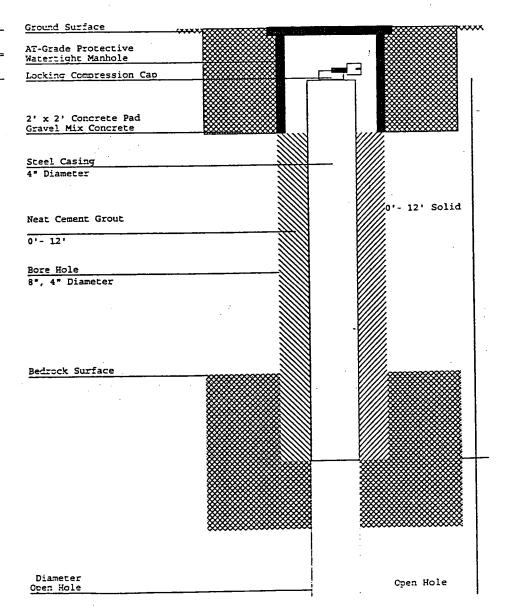
REMARKS / SOILS IDENTIFICATION

0'- 2' Grass & top soil.

2'- 8' Red-brown silty clay trace gravel.

Weathered rock.

9'- 33' Red shale.



25 - 50000

DWR-138 M 11/96



New Jersey Department of Environmental Protection Bureau of Water Allocation MONITORING WELL RECORD

Well Permit No. __

			Atlas She	et Coordina	tes <u>-25</u> -32				
OWNER IDENTIFICATION - Owner	THO DIAMOSTIC SYS	FIMS							
Address 1001 POUTS 2	82 NORTH	i_							
CityRARITAN	State	NJ .			Zip Code				
WELL LOCATION - If not the same as ow	nos places ains addassa			N	1, 1,				
County Sources	Municipality Transparent	Owner	s Well No	t Nio a s	IW I				
Address FT OF TILIMAN & PARI	TAN STS	N HUNU				~~			
		<u> </u>		DATE WE	LL STARTED 3	13197			
TYPE OF WELL (as per Well Permit Cate	gories) HONTTORTING		E	DATE WELL	. COMPETED3	J_3/97			
Regulatory Program Requiring Well	NER INVESTIGATION		Case I.I	D.#		.			
CONSULTING FIRM/FIELD SUPERVISO		_		,					
WELL CONSTRUCTION	Note: Measure all depths	I	D15-4-	1		T			
Total depth drilledft. Well finished toft.	from land surface	Depth to Top (ft.)		Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)			
Well finished toft.	Single/Inner Casing								
Borehole diameter:	Middle Casing	t2		ス	PVC	Sch40			
Top in.	(for triple cased wells only)								
Bottom in.	Outer Casing								
Well was finished: Labove grade	(largest diameter)	[
flush mounted	Open Hole or Screen			•	1 .	51.1			
If finished above grade, casing height (stick	(No. Used)		12	2	PVC.020	Je440			
up) above land surfaceft.	Blank Casings (No. Used)								
Was steel protective casing installed? ☐ Yes ☐ No	Tail Piece				, (
Static water level after drilling 6 12 ft.	Tall FleCe				1				
Water level was measured using It al	Gravel Pack	l le	12		Rosin #1	1			
1	Grout	۸ :			Neat Cement	94 lbs.			
Well was developed for hours at Out gpm		0 :	6		Bentonite	lbs.			
<i>U.</i>			ethod	Trem	ie				
T		niling Me	thod	AIN K	strivy				
Was permanent pumping equipment installed	GEOLOGIC LOG								
Pump capacitygpm			Note each depth where water was encountered in consolidated						
Pump type:			formations.						
Drilling Fluid Type of Rig B-80			A Dott						
Health and Safety Plan submitted? La Yes No		XX	$\leftarrow u$	uac	bed				
Level of Protection used on site (circle one)	None 6 C B A								
I certify that I have constructed the all accordance with all well permit requir State rules and regul	ements and applicable								
Drilling Company STAIT WALL DRILL									
Well Driller (Print) Descraha				-					
Driller's Signature Oon Khaham 90									
Registration No. MIZIZ	Date 3 / 17 / 97								

COPIES:

White - DEP

Canary - Driller

Pink - Owner

Goldenrod - Health Dent



Central Jersey Industrial Park Chimney Rock Road, Bldg. 9W Bound Brook, NJ 08805

Telephone. Toll Free: FAX:

(908) 722-4266 (800) 242-6648 (908) 356-1009

ENVIRONMENTAL SPECIALISTS

METT TOG

WELL: MW1

LENGTH:

DATE DRILLED: 03/03/1997 COORD #1: 25.32.491

COORD #2:

PERMIT #1: 25-50202

PERMIT #2:

SITE: NAPA Property, Foot of Tillman & Raritan Streets, , Raritan, NJ 08869 OWNER: Ortho Diagnostic Systems,, 1001 Route 202 North, , Raritan, NJ 08869

LENGTH:

COUNTY: Somerset XSTREET:

DRILLING METHOD: Air Rotary

USE: Monitoring

INNER CASING: PVC DIAMETER:

2 *

OUTER CASING: DIAMETER:

SCREEN TYPE 1: PVC SCREEN TYPE 2:

SAMPLING METROD: S/S

DIAMETER: LENGTH 1:

HOLE DIA: 6" TOTAL DEPTH: 12'

SET WELL: 12' GRAVEL PK SZ: Morie #1

DRILLER: Don Grahamer, Jr. GAL PER MIN: Slow STAT H20 LVL: 8.5'

LENGTH 2: SLOT SIZE: DEVELOPMENT METHOD: Pump

.020

CASING SEAL: Portland

DEVELOPMENT TIME: 1 Hour

OPEN EOLE:

DEPTH BELOW SURFACE

SURFACE COMPLETION: S

BLOWS PER 6" ON SAMPLER

FRCM - TO

REMARKS / SOILS IDENTIFICATION

0' - 2' Grass & top soil.

2' - 5' Red-brown silty clay. 5' - 12' Red shale.

Steel Cap with Padlock Length of Protective Steel Casing Securely Set in Cement Cap Ground Surface *********** Cement Collar ŧ Neat Cement Grout (ASTM Type II, 5% Bentonite Added) (1) Solid PVC Casing 2º Diameter PVC Screen 4" Diameter Gravel Pack 6'- 12' 7'- 12' Screen Bore Hole 6º Diameter Bottom Cap





New Jersey Department of Environmental Protection Bureau of Water Allocation MONITORING WELL RECORD Well Permit No.

				Well Permit No. 25 - 58283						
				Atlas She	et Coordinal	tes 2	5 : 3	12_:_	491_	
OWNER IDEN	NTIFICATION - Owner	ORTHO DIAGNOSTIC ST	STOS							
Address	1991 BOUT	R 202 NORTH					 -			
City	PARITAN	State	_NJ	· · · · · · · · ·		Zip Code	,			
WELLLOCAT	ION - if not the same as o	wner please give address.	Owner	Wall No	Mil	፲				
County	SOMEOSET	Municipality PARTS	AN POR) Loi	No. 14		Block N	o. 31		
Address	FT OF THIMAN & R	ARPTAN STS tegories) HONITORII					, D.10011 T	۰۰ <u>ـ ســـ</u> ــ		
 .		;	ŝ		DATE WE	LL STAR	TED	رجر	97	
TYPE OF WE	LL (as per Well Permit Ca	tegories) <u>HONITORU</u>	G		ATE WELL	COMPE	TED	ال\$ــلا	97	
negulatory Fit	ogram Requiring Weit	CARRY THE PROPERTY	<u> </u>	Case I.I	U.#					
CONSULTING	S FIRM/FIELD SUPERVIS	OR (if applicable)	arox	1- Hay	4	Tele.#_				
	NSTRUCTION									
		Note: Measure all depths from land surface	Depth to	Depth to	Diameter	Mat	erial	Wgt./Ra (lbs/sch		
Well finished to	ed 19 ft.		Top (ft.)		<u> </u>	4). (1)		(IDS/SCII	110.)	
		Single/Inner Casing	+2	9	2	BVC	•	Sch	40	
orenole glame Top	eter: Lein. mLein.	Middle Casing (for triple cased wells only)						İ		
Botton	min.	Outer Casing	 					 		
Well was finishe	ed: Dabove grade	(largest diameter)		'			٠			
)	flush mounted	Open Hole or Screen	0			A.C.		5 1	.()	
) If finished above	e grade, casing height (stick	(No. Used)	9	19	ュ	OK	.020	SI	140	
	surfaceft.	Blank Casings (No. Used)	1] ;				ì		
Was steel prote ☐ Yes ☐ No	ective casing installed?	Tail Piece						 		
	rel after drilling 8 / ft.		-		ļ	<i>b</i> 1		 		
	s measured using Jool	Gravel Pack	8	19	<u> </u>	Non	int/	188-		
	oped for hours	Grout	0	8			Cement ¹ tonite	· /	_ lbs. _ lbs.	
at				ethod 1	10					
Method of deve	elopment		Orilling Me	thod	in Rt	urv				
	· · · · · · · · · · · · · · · · · · ·					7				
Was permanent pumping equipment installed? ☐ Yes ☑ No			GEOLOGIC LOG							
Pump capacitygpm			Note each depth where water was encountered in consolidated formations.							
Pump type:			1011112	1						
Drilling Fluid _	Тур	e of Rig <u>B-80</u>			211	11				
Health and Sa	afety Plan submitted? Yes	s∏ No		<u>u</u> u	MAL	nea	ر			
	ction used on site (circle one)									
					 	 				
-	hat I have constructed the									
accoraar	nce with all well permit req State rules and reg									
D-111: O	CYNACIS LETT IV	RILLING CO INC : :: !								
Drilling Comp	pany		-	•						
Well Driller (F	Print) Lon (Tra	Gamer In	-							
Driller's Signa	aturdon Shall	en gj	-							
Registration	No. MIZIZ	_ Date 3 /17/9	<u></u>							

COPIES:

White - DEP

Canary - Driller

Pink - Owner

Goldenrod - Health Dept.



Central Jersey Industrial Park Chimney Rock Road, Bldg. 9W Bound Brook, NJ 08805

Telephone: Toll Pree:

(908) 722-4266 (800) 242-6648

FAX:

(908) 356-1009

ENVIRONMENTAL SPECIALISTS

MELL LOG

WELL: MW2

DATE DRILLED: 03/03/1997 COORD \$1: 25.32.491

COORD #2:

PERMIT #1: 25-50203

PERMIT #2:

COUNTY: Somerset .

SITE: NAPA Property, Foot of Tillman & Raritan Streets, , Raritan, NJ 08869

ONNER: Ortho Diagnostic Systems,, 1001 Route 202 North, , Raritan, NJ 08869

XSTREET: USE: Monitoring

INNER CASING: PVC DIAMSTER:

DRILLER:

ş

2.

OUTER CASING:

SCREEN TYPE 1: PVC SCREEN TYPE 2:

DRILLING METHOD: Air Rotary

DIAMETER: LENGTH:

DIAMETER:

SAMPLING METHOD: 8/8

LENGTH:

11'

GAL PER MIN: Slow

LENGTH 1: 10' LENGTH 2:

HOLE DIA: 6* TOTAL DEPTH: 19'

SET WELL: 19' GRAVEL PK SZ: Morie #1

STAT H20 LVL: 8.5'

SLOT SIZE:

.020

CASING SEAL: Portland

SURFACE COMPLETION: S

Don Grahamer, Jr.

DEVELOPMENT METEOD: Pump DEVELOPMENT TIME: 1 Hour

Bottom Cap

OPEN HOLE:

DEPTH BELOW BLOWS PER 6" SURFACE ON SAMPLER FROM - TO 0' - 2' None 21 - 41 None 4' - 6' None 6' - 8' None 8' - 10' None

REPORTS / SOILS IDENTIFICATION

0' - 8'6" Red-brown silty clay (fill). 8'6"- 19' Red shale.

Steel Cap with Padlock Length of Protective Steel Casing Securely Set in Cement Cap Ground Surface Cement Collar Neat Cement Grout (ASTM Type II, 5% Bentonite Added) Solid PVC Casing 2º Diameter PVC Screen 4º Diameter Gravel Pack 8'- 19' 9'- 19' Screen Bore Fole 6" Diameter

25 - 50204

Well Permit No. _

∖R-138 M ∌6



White - DEP

COPIES:

Canary - Driller

Pink - Owner

Goldenrod - Health Dept.

New Jersey Department of Environmental Protection
Bureau of Water Allocation
MONITORING WELL RECORD

				Atlac Shoo	t Coordinat	es <u>25 : 32</u>	. 401
OWNER IDENTIFICAT	ION - Owner on	THO DIACHOSTIC SYS	TIMS	Auas Snee	Coordinat		
4 4 4 4 4 4 4 4 4							<u> </u>
City	RARITAN	State	NJ		7	Zip Code	
WELL LOCATION - If n	not the same as own	ner please give address Municipality RARTTA	Owners	Well No	No. 4 A	Block No	
County	SET	_ Municipality _ <u>RAPTTA</u>	N BORO		140. <u>14 -</u>	DIOCK INC	.31
Address	TILLHAN & HAR	ITAN STS			DATE WE	LL STARTED 3 COMPETED 3	<u> </u>
TYPE OF WELL fac no	or Well Permit Cated	ories) <u>HONITORING</u>	<u>.</u>	D	ATE WELL	COMPETED _3	1 <u>3197</u>
Regulatory Program Ri	equiring Well - Oate(NER INVESTIGATION	<u> </u>	Case I.I).#		<u> </u>
		લ (if applicable) <u> </u>	uren	- How	t	Tele. #	
WELL CONSTRUCT		Note: Measure all depths	Depth to	Depth to	Diameter	Material	Wgt_/Rating
Total depth drilled	<u>/</u> 4ft.	from land surface	Top (ft.)	Bottom (ft.)	(inches)		(lbs/sch no.)
		Single/Inner Casing	+2	9	2	PK	5440
Borehole diameter:		Middle Casing					
Borehole diameter: Top Bottom	in.	(for triple cased wells only)			<u> </u>		
_		Outer Casing (largest diameter)					
Well was finished: Hab	ove grade sh mounted	Open Hole or Screen	} -	,			
·)		(No. Used)	9	14	4	ac-020	Selv4)
If finished above grade, (Blank Casings	1				
up) above land surface	•	(No. Used)		<u> </u>			
Was steel protective cas	ing installed?	Tail Piece					1
Static water level after de	rilling 8 12 ft.	Gravel Pack	-	14		10 - 4	1
Water level was measure	77	GIAVEIFACK	8	17		Neat Cement	188 lbs.
	1 1	Grout .	0	8	ł	Bentonite	10 lbs.
Well was developed for atgpm	nours		routing M	lethod	Tioni		<u> </u>
Method of development	O_{l}		orilling Me		AIN	tur	
Was permanent pumpin	•	? []Yes []Mo				GIC LOG	
Pump capacity	gom				ere water v	was encountered in	consolidated
Pump type:		<u> </u>	forma	ations.			
		of Rig B-80		X	1-1	1.0	
Drilling Fluid				Ju !		eled	
Health and Safety Plan		~					
Level of Protection use	ed on site (circle one)	None (D) C B A]				
		have referenced well in	\ <u> </u>				
		bove referenced well in ir ir ir ir ir ir ir ir ir ir ir ir ir					
	State rules and regu						
	SUMMIT WELL DRI		<u> </u>				
Drilling Company	<u> </u>		-				
Well Driller (Print)	Don on	represent To	·				
)	1) 4						
Driller's Signature	War Ille	bon &	-				
Registration No. M	1412	Date 3 /17 /9	ــــــــــــــــــــــــــــــــــــــ				

i

New Jersey Department of Environmental Protection Bureau of Water Allocation

	}	MONITORING WI	ELL HI				
				Well Perm	it No	25 50206	
	Same and the same			Atlas Shee	t Coordinat	es <u>25 : 32</u>	491
OWNER IDENTIFICATIO			26 5				
Address City	1821 ROUTE 2	State				in Code	
City	PARITAN	State	NJ		^		
WELL LOCATION - If not	the same as ow	ner please give address.	Owners	Well No	<u>m</u>	04	
WELL LOCATION - If not County	<u> </u>	Municipality _paptra	1_B0B0_	Lot	No.14	Block N	lo31
Address T	ILMAN & PARI	TAN STS			DATE WE	LI STARTED	3, 3, 197
TYPE OF WELL (as per	Well Permit Cate	gories)MONITORING			ATE WELL	COMPETED	3/3/97
Regulatory Program Reg	uiring Well0	NER INVESTIGATION		Case I.I	D.#		
CONSULTING FIRM/FIE	LD SUPERVISO	PR (if applicable)	leven	- Has	t	Tele. #	
WELL CONSTRUCTION	ĴИ	Note: Measure all depths	Depth to		Diameter		Wgt./Rating
Total depth drilled	ft.	from land surface	Top (ft.)			Material	(lbs/sch no.)
Well finished to	n.	Single/Inner Casing	12	5	2	PVC	5440
Borehole diameter: Top Bottom	in.	Middle Casing (for triple cased wells only)					
Bottom Well was finished: Dabove		Outer Casing (largest diameter)					
flush	mounted	Open Hole or Screen (No. Used)	5	15	2	PVC.020	Sep 40
infinished above grade, cast up) above land surface 1	<u>t</u>	Blank Casings (No. Used)					
Was steel protective casing	مدا	Tail Piece					
Static water level after drilli	ing 8 ft.	Gravel Pack	04	46		Moriet	+1
Water level was measured	using Jape	- 6		1		Neat Cement	7 44 lbs.
Well was developed for	1 hours	1		1/4		Bentonite	
at Sow gpm	1 -	G	irouting N	lethod	1ren	Air fitz	
Method of development _			אוווחם אינ	etnoa		AIR FOTO	7
Was permanent pumping	equipment installe	d? ∐Yes ☑No	[GIC LOG	
Pump capacity	gpm		1 .		here water v	vas encountered i	n consolidated
Pump type:			torma	itions.			
Drilling Fluid	Type	of Rig 13-80			7-11	-11	
Health and Safety Plan s	/		1	le l	ina	eua	
Level of Protection used of							
I certify that I have	constructed the	above referenced well in					
C+	ata rulas and ma	uirements and applicable					
Drilling Company 508	MIT WELL DRI	LLING CO INC	}	• ,		·	·
Well Driller (Print)	TICA.	have In					.,
Acti Divide (Lauri)		/	_				
Driller's Signature	on Bu	h	-				
Registration No. M	1212	_ Date	7				

COPIES: White - DEP Canary - Driller

Pink - Owner

Goldenrod - Health Dept.



Chimney Rock Road, Bldg. 9W Bound Brook, NJ 08805

Telephone:

(908) 722-4266

Toll Free:

(800) 242-6648 (732) 356-1009

FAX: http://www.summitdrilling.com email: info@summitdrilling.com

WELL LOG

WELL: MW32

LENGTH:

SET WELL:

DATE DRILLED: 08/11/1999 COORD #1: 25.32.491

COORD #2:

PERMIT #1: 25-54673

PERMIT #2:

COUNTY: Somerset

DRILLING METHOD: Air Rotary

XSTREET:

SAMPLING METHOD:

HOLE DIA: 6", 6"

TOTAL DEPTH: 25'

USE: Monitoring

INNER CASING: PVC DIAMETER:

2" 5 '

OUTER CASING: DIAMETER:

GAL PER MIN: 1/2

STAT H20 LVL: 20'

SITE: Ortho Diagnostic Systems,, 1001 Route 202 North, , Raritan, NJ 08869 OWNER: Ortho Diagnostic Systems,, 1001 Route 202 North, , Raritan, NJ 08869

LENGTH:

SCREEN TYPE 1: PVC SCREEN TYPE 2: DIAMETER:

LENGTH 2:

SLOT SIZE:

LENGTH 1: 20'

.020

CASING SEAL: Portland

GRAVEL PK SZ: Morie #2 DRILLER:

Steve Yotcoski SURFACE COMPLETION: M

25'

DEVELOPMENT METHOD: Pump DEVELOPMENT TIME: 1/2 Hour

OPEN HOLE:

DEPTH BELOW SURFACE

BLOWS PER 6" ON SAMPLER

FROM - TO

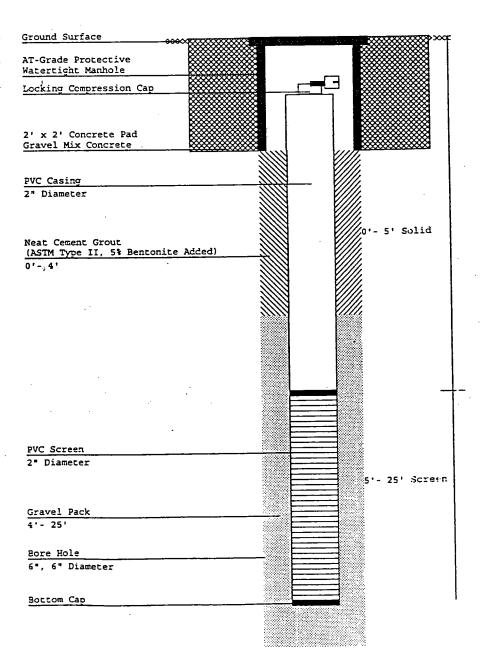
REMARKS / SOILS IDENTIFICATION

0'- 2' Asphalt & stone.

12- 8' Red-brown medium sand trace clay.

8'- 9' Weathered rock.

9'- 25' Rock.



Chimney Rock Road, Bldg. 9W Bound Brook, NJ 08805

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http://www.summitdrilling.com email: info@summitdrilling.com

WELL LOG

WELL: MW32

DATE DRILLED: 08/11/1999 COORD #1: 25.32.491

Bottom Cap

PERMIT #1: 25-54673

201

COUNTY: Somerset

PERMIT #2: COORD #2: SITE: Ortho Diagnostic Systems,, 1001 Route 202 North, , Raritan, NJ 08869

XSTREET:

OWNER: Ortho Diagnostic Systems,, 1001 Route 202 North, , Raritan, NJ 08869

SCREEN TYPE 1: PVC

LENGTH 1:

USE: Monitoring

INNER CASING: PVC

OUTER CASING:

SCREEN TYPE 2:

DRILLING METHOD: Air Rotary

DIAMETER:

DIAMETER: LENGTH:

DIAMETER:

SAMPLING METHOD: HOLE DIA: 6", 6"

LENGTH:

25'

GAL PER MIN: 1/2

LENGTH 2:

TOTAL DEPTH: 25'

SET WELL: GRAVEL PK SZ: Morie #2

STAT H20 LVL: 20' DEVELOPMENT METHOD: Pump

.020 SLOT SIZE:

CASING SEAL: Portland

Steve Yotcoski DRILLER: SURFACE COMPLETION: M

> DEPTH BELOW SURFACE

BLOWS PER 6"

FROM - TO

ON SAMPLER

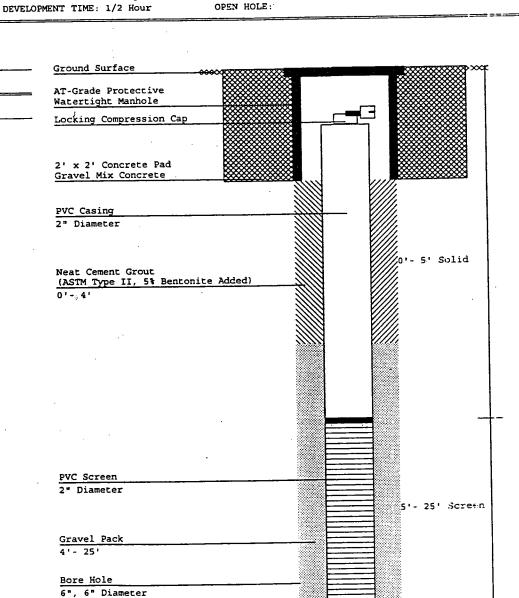
REMARKS / SOILS IDENTIFICATION

Asphalt & stone.

12- 8' Red-brown medium sand trace clay.

Weathered rock.

9'- 25' Rock.





ENVIRONMENTAL SPECIALISTS

Central Jersey Industrial Park Chimney Rock Road, Bldg. 9W Bound Brook, NJ 08805

Telephone: Toll Free:

(908) 722-4266 (800) 242-6648

FAX:

(732) 356-1009

WELL LOG

WELL: MW34

DATE DRILLED: 08/10/1998 COORD #1: 25.32.491

PERMIT #1: 25-52837 PERMIT #2:

COUNTY: Somerset

COORD #2: SITE: Ortho Diagnostic Systems,, 1001 Route 202 North, , Raritan, NJ 08869

OWNER: Ortho Diagnostic Systems,, 1001 Route 202 North, , Raritan, NJ 08869

XSTREET: USE: Piezometers

INNER CASING: PVC

DIAMSTER:

OUTER CASING:

SCREEN TYPE 1: PVC SCREEN TYPE 2:

DRILLING METHOD: Air Rotary

2 *

DIAMETER: LENGTH:

DIAMETER:

SAMPLING METHOD:

LENGTH:

15'

LENGTH 1: 15' HOLE DIA: 6*, 6* TOTAL DEPTH: 30'

SET WELL: 301 GRAVEL PK SZ: Morie #2

GAL PER MIN: 1/2 STAT H20 LVL: 17'

LENGTH 2: SLOT SIZE:

.020 CASING SEAL: Portland

DRILLER: Steve Yotcoski

SURFACE COMPLETION: M

DEVELOPMENT METHOD: Pump DEVELOPMENT TIME: 1/2 Hour

OPEN HOLE:

DEPTH BELOW SURFACE

BLOWS PER 6" ON SAMPLER

FROM - TO

REMARKS / SOILS IDENTIFICATION

0'- 2' Asphalt & stone.

2'- 6' Red-brown milty clay some fine sand trace rock fragments.

6'- 30' Red shale.

Ground Surface AT-Grade Protective Watertight Manhole Locking Compression Cap 2' x 2' Concrete Pad Gravel Mix Concrete PVC Casing 2" Diameter - 15' Solid Neat Cement Grout (ASTM Type II, 5% Bentonite Added) 0'- 13'

PVC Screen 2º Diameter

Gravel Pack 13'- 30'

Bore Hole 6°, 6° Diameter

Bottom Cap

15'- 30' Screen

54674

DWR-138 ₩ 11/98



New Jersey Department of Environmental Protection Bureau of Water Allocation MONITORING WELL RECORD

Well Permit No. 25

iVIL /			Atlas Shee	t Coordinate	es <u>25 :32</u>	491
OWNER IDENTIFICATION - Owner0	RTHO DIAGNOSTIC SYS	TEMS				
Address 1001 ROUTE City RARITAN	202 NORTH				in Codo	
CityRARITAN	State	N.	<u> </u>		ip Code	
WELL LOCATION - If not the same as owr	ner please give address.	Owner's	Well No	4w34D		
WELL LOCATION - If not the same as owr County SOMERSET Address 1001 ROUTE 202 NORT	Municipality RARITA	N BORO	Lot	No. <u>14</u>	Block N	0. 31
Address 1001 ROUTE 202 NORT	<u>H</u>			NATE WELL	STARTED	1 44 00
	HONITORING	3	DAT	E WELL CO	STARTED8	- 11 / - 99
TYPE OF WELL (as per Well Permit Cate Regulatory Program Requiring Well0	HINER INVESTIGATION		Case I.I	D.#	·	
CONSULTING FIRM/FIELD SUPERVISO	R (if applicable) McLarer	Hart En	vironmental	Engineerin	№ 16. #	
WELL CONSTRUCTION	Note: Measure all depths	Depth to	Depth to	Diameter	Material	Wgt./Rating
Total depth drilled 75' ft.	from land surface	Top (ft.)	Bottom (ft.)	(inches)		(lbs/sch no.)
Well finished to75'ft.	Single/Inner Casing	0,	55'	2"	PVC	Sch. 40
Borehole diameter:	Middle Casing					
Topin. Bottom6"in.	(for triple cased wells only)				·)	<u> </u>
i	Outer Casing	0	50'	6"	Steel	Sch. 40
Well was finished: above grade	(largest diameter) Open Hole or Screen		<u> </u>		51/0	S:020 ₁₀
☐ flush mounted	(No. Used)	55'	75'	2"	PVC	3011. 40
If finished above grade, casing height (stick p) above land surfaceft.	Blank Casings					
vas steel protective casing installed?	(No. Used)		·			
Yas Sieer protective casing instance: ☐Yes ☒ No	Tail Piece					
Static water level after drilling 65 ft.	Gravel Pack	54'	75'		Morie #2	
Water level was measured using Tape	Grout	0, \0,	54'/50'		Neat Cement	_940_lbs 50_lbs
Well was developed for 1/2 Hour hours				اا	Bentonite	
at gpm	G	irouting M	lethod <u>Trer</u> ethod <u>Air I</u>	nie Potany		<u></u>
Method of development Pump		miling Me	Striog	Cotaly		
Was permanent pumping equipment installed	l? ∐Yes █ No			GEOLOG	SIC LOG	
Pump capacitygpm		Note 6	each depth wh	ere water w	as encountered in	consolidated
Pump type:		torma	ations.			
Drilling FluidType	of Rig B-80					
		ļ	Soo /	Attached		<u>. </u>
Health and Safety Plan submitted? X Yes [_	ļ	See F	Macried		
Level of Protection used on site (circle one)	None (D) C B A					<u> </u>
I certify that I have constructed the a	bove referenced well in	ļ				
accordance with all well permit requi	irements and applicable					
State rules and regu						
Drilling Company SUMMIT WEL	L DRILLING CO INC	-				
Well Driller (Print) Steve Yotcoski	- , ·	-	,			
Driller's Signature Steve Got	coski	-				
,,,,,,	Date 8 / 23 / 99					
Registration No	_ Date8_/_23_/99_	_				

COPIES:

White - DEP

Canary - Driller

Pink - Owner

Goldenrod - Health Dept.



Chimney Rock Road, Bldg. 9W Bound Brook, NJ 08805

Telephone:

(908) 722-4266

Toll Free: FAX:

(800) 242-6648 (732) 356-1009

http://www.summitdrilling.com email: info@summitdrilling.com

CCUNTY: Somerset

DRILLING METHOD: Air Rotary

USE: Monitoring

XSTREET:

SAMPLING METHOD:

HOLE DIA: 10", 5"

TOTAL DEPTH: 75'

WELL LOG

WELL: Mw34D

SET WELL:

DATE DRILLED: 08/11/1999 COORD #1: 25.32.491

PERMIT #1: 25-54674

COORD #2:

PERMIT #2:

SITE: Ortho Diagnostic Systems,, 1001 Route 202 North, , Raritan, NJ 08869 OWNER: Ortho Diagnostic Systems,, 1001 Route 202 North, , Raritan, NJ 08869

INNER CASING: PVC

2" DIAMETER: LENGTH: 55' OUTER CASING: Steel DIAMETER:

LENGTH:

SCREEN TYPE 1: PVC SCREEN TYPE 2: 6.

DIAMETER: 20' LENGTH 1: LENGTH 2:

GAL PER MIN: 1/2 SLOT SIZE: STAT H20 LVL: 65' DEVELOPMENT METHOD: Pump

DEVELOPMENT TIME: 1/2 Hour

CASING SEAL: Portland

OPEN HOLE:

GRAVEL PK SZ: Morie #2 DRILLER:

Steve Yotcoski

75'

SURFACE COMPLETION: M

BLOWS PER 6"

DEPTH BELOW SURFACE FROM - TO

ON SAMPLER

REMARKS / SOILS IDENTIFICATION

9'- 2' Asphalt & scone.

2'- 4' Fill.

4'- 8' Red-brown silty clay.

3'- 10' Weathered red shale.

'- 50' Bedrock.

75' Red shale.

Ground Surface

Watertight Manhole

2' x 2' Concrete Pad

6 Diameter

Neat Cement Grout

Bottom Cap

AT-Grade Protective Locking Compression Cap Gravel Mix Concrete PVC Casing 2º Diameter Steel Outer Casing 55' Solic (ASTM Type II, 5% Bentonite Added) 0'- 54' 50' PVC Screen 2" Diameter 55'- 75' Screen Gravel Pack 54' - 75' Bore Hole 10", 6" Diameter

DWR-138 M 11/95

New Jersey Department of Environmental Protection Bureau of Water Allocation MONITORING WELL RECORD

		•	Well Perr	nit No. <u>25</u>	5 <u>2838</u>	
			Atlas She	et Coordina	tes <u>25_:32</u>	AQ1
OWNER IDENTIFICATION - Owner	ORTHO DIAGNOSTIC ST	STMS				
Address 1001 ROUTE City RARITAN	202 NORTH	 	NY		7i- Oada i	
Dattian	Olate	··	N-1	 '	Zip Code	
WELL LOCATION - If not the same as ov	vner please give address.	Owner'	s Well No	MW35		
County SOMERSET Address 1221 ROUTE 222 NOT	Municipality <u>RART</u>	AN BOR	Lo	t No. <u>14</u>	Block I	No31
				DATE WE	LL STARTED8	10 / 98
TYPE OF WELL (as per Well Permit Cate	egories)PTKZOMETE	ŒR.	נ	DATE WELL	COMPETED _ &	<u>/ 10 / 98</u>
Regulatory Program Requiring Well	OWNER INVESTIGATION	ł	Case I.	D.#	·	·····
CONSULTING FIRM/FIELD SUPERVISO	PR (if applicable) McLarer	Hart Em	dronmental	Engineerir	%C.#	
WELL CONSTRUCTION	Note: Measure all depths	Depth to	Depth to	Diameter		Wgt./Rating
Total depth drilled 30' ft. Well finished to 50' ft.	from land surface	Top (ft.)			Material	(lbs/sch no.)
	Single/Inner Casing	O	15'	2"	PVC !	Sch. 40
Borehole diameter: Top in. Bottom 6" in.	Middle Casing (for triple cased wells only)					
Well was finished: above grade	Outer Casing (largest diameter)					
If finished above grade, casing height (stick	Open Hole or Screen (No. Used)	15'	30'	2"	PVC	.020 Sch. 40
up) above land surface ft. Was steel protective casing installed?	Blank Casings (No. Used)				ı	
Yes No	Tail Piece				į	
Static water level after drilling 17 ft.	Gravel Pack	13'	30		11-1-10	
Water level was measured using	Grout	0	30' 13'		Morie #2 Neat Cement	_470_lbs.
Well was developed for 1/2 Hour hours	Grout				Bentonite	_25_lbs.
at gpm			thod <u>Trem</u>		· · · · · · · · · · · · · · · · · · ·	
Method of development Pump		niling Met	hod Air R	obary		
Was permanent pumping equipment installed	? Yes No		"	GEOLOG	IC LOG .	
Pump capacitygpm		Note each depth where water was encountered in consolidated				
Pump type:	<u> </u>	formations.				
Drilling Fluid Type o	of Rig _ B-80					
Health and Safety Plan submitted? Yes	1 No	See Attached				
Level of Protection used on site (circle one) None (C) C B A				aoneu		
I certify that I have constructed the all accordance with all well permit requir State rules and regul	ements and applicable ations.					
Drilling Company SUMIT WELL DRILLING CO INC						
Well Driller (Print) Steve Yotcoski	/ / ·		<u> </u>			
Driller's Signature June Jo	lcoski					
Registration No	Date 9 / 3 /98	Ĺ <u> </u>				

COPIES:

White - DEP

Canary - Driller

Pink - Owner

Goldenrod - Health Dept.



ENVIRONMENTAL SPECIALISTS

Central Jersey Industrial Park Chimney Rock Road, Bldg. 9W Bound Brook, NJ 08805

Telephone: Toll Free:

FAX:

(908) 722-4266 (800) 242-6648

(732) 356-1009

WELL LOG

WELL: MOVES

DATE DRILLED: 08/10/1998 COORD #1: 25.32.491

COORD #2:

DEVELOPMENT METHOD: Pump

DEVELOPMENT TIME: 1/2 Hour

PERMIT #1: 25-52838.

PERMIT #2:

SITE: Ortho Diagnostic Systems,, 1001 Route 202 North, , Raritan, NJ 08869

SCREEN TYPE 1: FVC

CWHER: Ortho Diagnostic Systems,, 1001 Route 202 North, , Raritan, NJ 08869

COUNTY: Somerset XSTREET: USE: Piezometers

DRILLING METHOD: Air Rotary

INNER CASING: PVC DIAMETER: LENGTH:

2. 15' OUTER CASING:

DIAMETER:

LENGTH:

SCREEN TYPE 2: DIAMETER: LENGTH 1:

15'

OPEN HOLE:

SAMPLING METHOD: HOLE DIA: 6", 6" TOTAL DEPTH: 30'

SET WELL:

30.

GAL PER MIN: 1/2

STAT H20 LVL: 17'

LENGTH 2: SLOT SIZE:

.020 CASING SEAL: Portland

DRILLER: Steve Yotcoski SURFACE COMPLETION: M

REMARKS / SOILS IDENTIFICATION

C'- 2' Grass & top soil.

6'- 30' Red shale.

GRAVEL PK SZ: Morie #2

2'- 6' Red-brown silty clay some fine sand trace rock fragments.

BLOWS PER 6"

DEPTH BELOW SURFACE

ON SAMPLER

FROM - TO

Ground Surface

AT-Grade Protective

Watertight Manhole

Locking Compression Cap

2' x 2' Concrete Pad Gravel Mix Concrete

PVC Casing

Neat Cement Grout

0'- 13'

PVC Screen 2º Diameter

Gravel Pack

13'- 30' Bore Hole

6", 6" Diameter

Bottom Cap

2" Diameter 15' Solid (ASIM Type II, 5% Bentonite Added)

15'- 30' Screen

DWR:138 M 11/98

New Jersey Department of Environmental Protection

Bureau of Water Allocation
MONITORING WELL RECORD

\ ML /			Well Perm	nit No. <u>25</u>	- 54675	
\sim			Atlas Shee	et Coordinate	es <u> 25 : 32</u>	491
NER IDENTIFICATION - Owner	ORTHO DIAGNOSTIC S	STEMS				
Address 1001 ROUTE City RARITAN	202 NORTH				in Code	
City RARLIAN	State		N-I		ip code	· · · · · · · · · · · · · · · · · · ·
WELL LOCATION - If not the same as own CountySOMERSET	ner please give address. Municipality RARII	Owner's	Well No	MW37 No. 14	Block N	lo31
A LILL 1001 POINTE 202 NOR	TH		1			
TYPE OF WELL (as per Well Permit Cate Regulatory Program Requiring Well	gories) MONITORII OWNER INVESTIGATION	YG Y	DAT Case I.I	DATE WELL E WELL CO D.#	STARTED 8	/
CONSULTING FIRM/FIELD SUPERVISO	R (if applicable) <u>McLare</u> ı	n Hart En	vironmental	<u>Engineer</u> ii	Tg16. #	
WELL CONSTRUCTION Total depth drilled 80 ft.	Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Well finished to 80 ft.	Single/Inner Casing	O,	55'	2"	PVC	Sch. 40
Borehole diameter: Top <u>10"</u> in. Bottom <u>6"</u> in.	Middle Casing (for triple cased wells only)		;			
Bottom6" in. Well was finished: □ above grade	Outer Casing (largest diameter)	0	50'	6"	Steel	Sch. 40
flush mounted	Open Hole or Screen (No. Used)	55'	80'	2"	PVC	S:020
If finished above grade, casing height (stick above land surfaceft.	Blank Casings (No. Used)					
s steel protective casing installed?	Tail Piece					_
Static water level after drilling _65'ft.	Gravel Pack	54'	80' ¿		Morie #2	
Water level was measured using	Grout	0/0	54'/55'	-	Neat Cement	-940- lbs.
Well was developed for <u>1/2 Hour</u> hours at <u>1/2</u> gpm		routing M		nie	Bentonite	
Method of development <u>Pump</u>	_					
Was permanent pumping equipment installed	? ∐Yes ☑ No	·		CEOLO(SIC LOG	
Pump capacitygpm		Note e	ach depth wh	GEOLOG ere water w	as encountered in	consolidated
Pump type:		forma			· .	
Drilling FluidType of	of Rig <u>B-80</u>	} 				
Health and Safety Plan submitted? ☒ Yes [] No		See A	ttached		
Level of Protection used on site (circle one)	_			·············		· · · · · · · · · · · · · · · · · · ·
I certify that I have constructed the a accordance with all well permit requi State rules and regu	rements and applicable		1.164			
Drilling Company SUMMIT WEI	L DRILLING CO INC	_				
Well Driller (Print) Steve Yotcoski						
Atomo () t						
riller's Signature Mul Got	cosic	-				
Registration No. J1622	Date 8 / 23 / 99					



Chimney Rock Road, Bldg. 9W Bound Brook, NI 08805

Telephone:

(908) 722-4266

Toll Free: FAX:

(800) 242-6648

(732) 356-1009 http://www.summitdrilling.com email: info@summitdrilling.com

WELL LOG

WELL: MW37

DATE DRILLED: 08/11/1999 CCGRD #1: 25.32.491

CCCRD #2:

PERMIT #1: 25-54675

PERMIT #2:

COUNTY: Somerset

55'- 80' Screen

SITE: Ortho Diagnostic Systems,, 1001 Route 202 North, , Raritan, NJ 08869 OWNER: Ortho Diagnostic Systems,, 1001 Route 202 North, , Raritan, NJ 08869

USE: Monitoring

INNER CASING: PVC

OUTER CASING: Steel

SCREEN TYPE 1: PVC SCREEN TYPE 2:

DRILLING METHOD: Air Rocery

DIAMETER: LENGTH:

551

6" DIAMETER: LENGTH: 50'

DIAMETER: 25' LENGTH 1:

SAMPLING METHOD: HOLE DIA: 10", 6" TOTAL DEPTH: 80

XSTREET:

801 SET WELL: GRAVEL PK SZ: Morie #2

Steve Yotcoski

GAL PER MIN: 1/2 STAT H2O LVL: 65'

LENGTH 2: SLOT SIZE:

CASING SEAL: Portland

DRILLER: SURFACE COMPLETION: M

DEVELOPMENT METHOD: Pump DEVELOPMENT TIME: 1/2 Hour

OPEN HOLE:

DEPTH BELOW

BLOWS PER 6" ON SAMPLER SURFACE

FROM - TO

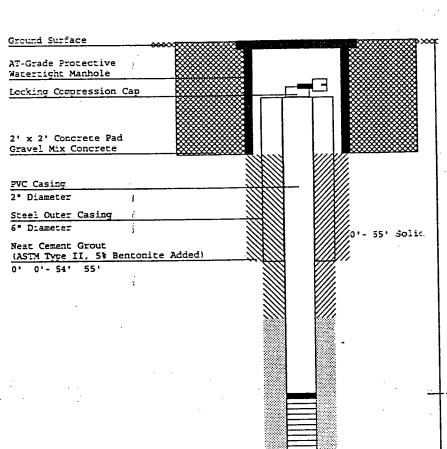
REMARKS / SOILS IDENTIFICATION

Asphalt & stone.

2'- 3' Fill.

3'- 8' Red-brown silty clay.

9'- 80' Red shale.



PVC Screen

2º Diameter

Gravel Pack 54'- 80'

Bore Hole

10", 5" Diameter

Bottom Cap

25-32-49/1/

FORM 87

DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT DIVISION OF WATER POLICY & SUPPLY

Permit No. 25-15579
Application No.
County

WELL RECORD

25.32.491

	25, 15519
i. 0	WHER Robert E. O'Rourke ADDRESS 290 Milltown Road. Somerville,
	wner's Well No SURFACE ELEVATION Feet
. L	OCATION 290 Milltown Road, Hillsborough Twp., Somerset.
. D.	ATE COMPLETED 7/8/70 DRILLER Somerville Well Drilling Co.
. D	IAMETER: top 10 Inches Bottom 6 Inches TOTAL DEPTH 20 Feet
	ASING: Type Drive Dlameter 6Inches Length 60Feet
. s	CREEN: Type Size of Inches LengthFeet
	Range in Depth { TopFeet Geologic: Formation
	Tail piece: DiameterInches LengthFeet
. W	ELL FLOWS NATURALLY Gallons per Minute at Feet above surface
	ater rises toFeet above surface
	ECORD OF TEST: Date 7/6/70 Yield 37 Gallons per minute
	Static water level before pumping 40 Feet below surface
	Static water level before pumping 40 Feet below surface Pumping level 100 feet below surface after 5 hours pumping
	· · · · · · · · · · · · · · · · · · ·
	Pumping level 100 feet below surface after 5 hours pumping
1	Pumping level 100 feet below surface after 5 hours pumping Drawdown 60 Feet Specific Capacity 2 Gals. per min. per ft. of drawdown How Pumped cylinder How measured bucket
1	Pumping level 100 feet below surface after 5 hours pumping Drawdown 60 Feet Specific Capacity 2 Gals. per min. per ft. of drawdown How Pumped cylinder How measured bucket
1	Pumping level 100 feet below surface after 5 hours pumping Drawdown 60 Feet Specific Capacity 2 Gals. per min. per ft. of drawdown How Pumped cylinder How measured bucket Observed effect on nearby wells none
1	Pumping level 100 feet below surface after 5 hours pumping Drawdown 60 Feet Specific Capacity 2 Gals. per min. per ft. of drawdown How Pumped cylinder How measured backet Observed effect on nearby wells none PERMANENT PUMPING EQUIPMENT:
	Pumping level 100 feet below surface after 5 hours pumping Drawdown 60 Feet Specific Capacity 2 Gals. per min. per ft. of drawdown How Pumped cylinder How measured bucket Observed effect on nearby wells none PERMANENT PUMPING EQUIPMENT: Type Hfrs. Name
; ;	Pumping level 100 feet below surface after 5 hours pumping Drawdown 60 Feet Specific Capacity 2 Gals. per min. per ft. of drawdown How Pumped cylinder How measured bucket Observed effect on nearby wells none PERMANENT PUMPING EQUIPMENT: Type Hfrs. Name H.P. R.P.M.
).	Pumping level 100 feet below surface after 5 hours pumping Drawdown 60 Feet Specific Capacity 2 Gals. per min. per ft. of drawdown How Pumped cylinder How measured bucket Observed effect on nearby wells none PERMANENT PUMPING EQUIPMENT: Type Hfrs. Name Capacity G.P.H. How Driven H.P R.P.H Depth of Pump in well Feet Depth of Footplece in well Feet Depth of Air Line in well Feet Type of Meter on Pump SizeInches
0.	Pumping level
	Pumping level 100 feet below surface after 5 hours pumping Drawdown 60 Feet Specific Capacity 2 Gals. per min. per ft. of drawdown How Pumped cylinder How measured bucket Observed effect on nearby wells none PERMANENT PUMPING EQUIPMENT: Type Hfrs. Name H.P. R.P.M. Capacity G.P.M. How Driven H.P. R.P.M. Depth of Pump in well Feet Depth of Footplece in well Feet Depth of Air Line in well Feet Type of Meter on Pump Size Inches USED FOR Domestic AMOUNT Average Gallons Daily QUALITY OF WATER Good Sample: Yes Mo. XX
0.	Pumping level 100 feet below surface after 5 hours pumping Drawdown 60 Feet Specific Capacity 2 Gals. per min. per ft. of drawdown How Pumped cylinder How measured bucket Observed effect on nearby wells none PERMANENT PUMPING EQUIPMENT: Type Hfrs. Name R.P.M. Gapacity G.P.M. How Driven H.P. R.P.M. Depth of Pump in well Feet Depth of Footplece in well Feet Depth of Air Line in well Feet Type of Meter on Pump Size Inches USED FOR Domestic AMOUNT Average Gallons Daily QUALITY OF WATER good Sample: Yes No. XX
).	Pumping level 100 feet below surface after 5 hours pumping Drawdown 60 Feet Specific Capacity 2 Gals. per min. per ft. of drawdown How Pumped cylinder How measured bucket Observed effect on nearby wells none PERMANENT PUMPING EQUIPMENT: Type Hfrs. Name Capacity G.P.M. How Driven H.P. R.P.M. Depth of Pump in well Feet Depth of Footpiece in well Feet Depth of Air Line in well Feet Type of Meter on Pump Size Inches USED FOR Domestic AMOUNT Average Gallons Daily QUALITY OF WATER good Sample: Yes Ho. XX Taste none Odor none Color clear Temp. OF LOG Red shale to depth Are samples available? No

25.32.4 91

PERM 87

DEPARTMENT OF COL

DEPARTMENT OF CONSERVATION

AND ECONOMIC DEVELOPMENT

DIVISION OF WATER POLICY & SUPPLY

Permit No. 35-8583
Application No
County

	WELL RECORD 25.32.491 25.8583
•	OWNER Rocco Pellechio ADDRESS Bound Brook Ave, Raritan, N.J.
••	Owner's Well No. SURFACE ELEVATION 126 Feet (Above mean sea level)
2.	LOCATION 74' 38' 33" 40° 34' 35"
3.	DATE COMPLETED June 25, 1959 DRILLER Dinung Well Drilling G
4.	DIAMETER: top inches Bottom inches TOTAL DEPTH Feet
5.	CASING: Type Steel Diameter 6 inches Length 2/ Feet
6.	SCREEN: Type Size of Opening Dlameter Inches LengthFeet
	Range in Depth { TopFeet Geologic Formation
	Tail piece: Diameterinches LengthFeet
7.	WELL FLOWS NATURALLY Gallons per Minute at Feet above surface
) .	Water rises toFeet above surface
8.	RECORD OF TEST: Date June 25, 1957 Yield 15 Gallons per minute
	Static water level before pumping 55 Feet below surface
	Pumping level 8c feet below surface after hours pumping
	Drawdown 25 Feet Specific Capacity 4 Gals. per min. per ft. of drawdown
	How Pumped AIR. How measured Pail
	Observed effect on nearby wells Noge
9.	PERMANENT PUMPING EQUIPMENT: Not installed by Driller Type Mfrs. Name
	Capacity G.P.M. How Driven H.P R.P.H
	Depth of Pump in wellFeet Depth of Footpiece in wellFeet
	Depth of Air Line in wellFeet Type of Meter on Pump SizeInches
10	Average 200 Gallons Daily
11	OUALITY OF WATER 600 d Sample: Yes No.
12	Taste None Odor None Color None Temp. 50 OF LOG All Shale Are samples available? No (Give details on back of sheet or on separate sheet. If electric log was made, please furnish copy)
13	. SOURCE OF DATA <u>Self</u> Date June 25, 1959
14	. DATA OBTAINED BY Self Date June 25, 1959
	(NOTE: Use other side of this sheet for additional information such as log of materials penetrated analysis of the water, sketch map, sketch of special casing arrangements etc.)

FCRM	8.7	
\		2

DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT DIVISION OF WATER POLICY & SUPPLY

Permit No.	5-76/3
Application	
County	
182.291	

WELL RECORD

J. B. 19	39.	Ťο	1)
25.	IJ€	13	

	25.7613
1.	OWNER Samuel Perone ADDRESS Bound Brook Ave, Raritan, N.J.
	Owner's Well No SURFACE ELEVATION Feet
2.	LOCATION
3.	DATE COMPLETED June 2, 1158 DRILLER John DINUNZI
4.	DIAMETER: top Inches Bottom Inches TOTAL DEPTH Feet
5.	CASING: Type Regular Diameter 6 Inches Length 20 Feet
6.	SCREEN: Type Diameter Inches LengthFeet
	Range in Depth
	Tail piece: DiameterInches LengthFeet
7.	WELL FLOWS NATURALLY Gallons per Minute at Feet above surface
7)	Water rises toFeet above surface
28.	RECORD OF TEST: Date
	Static water level before pumping 70 Feet below surface
	Pumping level 83 feet below surface after hours pumping
	Drawdown
	How Pumped Bailer How measured Bailer
	Observed effect on nearby wells Nowc
9.	The same south the same same same same same same same sam
	Capacity G.P.M. How Driven H.P R.P.M
	Depth of Pump in wellFeet Depth of Footpiece in wellFeet
	Depth of Air Line in wellFeet Type of Meter on Pump SizeInches
	(Average 200 Gallons Daily
10	Maximum dailons party
11	Sample: Yes No
	Taste Name Odor Name Color Name Temp. 47 OF
12	Taste None Odor None Color None Temp. 47 of LOG All Shale Are samples available? No (Give details on back of sheet or on separate sheet. If electric log was made, please furnish copy)
ر 13	. SOURCE OF DATA
je	Date June 2 1958
	(NOTE: Use other side of this sheet for additional information such as log of materials penetrate analysis of the water, sketch map, sketch of special casing arrangements etc.)

ዝ-138 M



New Jersey Department of Environmental Protection Bureau of Water Allocation MONITORING WELL RECORD Well Permit No.

-unit	•				20 0100	
-			Atlas Shee	t Coordinat	es: 25	32 494
OWNER IDENTIFICATION - Owner	COMBRELAND FARMS I	NC.			. 20	32 434
Address 777 DEDIAN	State	<u> </u>		7	ip Code	
Address	0.0.0	MA	· · · · · · · · · · · · · · · · · · ·		•	
WELL LOCATION - If not the same as own	ner please give address.	Owners	Well No.	mw	<u> </u>	
CountySOMRESET	MunicipalityRART	TAN BO	30 Lot	No. —	Block No	· 117
Audiess1201 OLD YOLK 10).				DATE WE	LI STARTED 9	130 KT
TYPE OF WELL (as per Well Permit Cates Regulatory Program Requiring Well	ories) womeno	יינה		ATE WELL	COMPETED	J <u>30J47</u>
Regulatory Program Requiring Well	DST	4767	Case I.	D.#	7 -04-03-1138 2	27
CONSULTING FIRM/FIELD SUPERVISOR						
	H (II applicable)				1ее. #	
WELL CONSTRUCTION	Note: Measure all depths	Depth to	Depth to	Diameter	Material	Wgt/Rating (lbs/sch no.)
Total depth drilled 18 ft. Well finished to 18 ft.	from land surface	Top (ft.)	Bottom (ft.)		0)16	40
•	Single/Inner Casing	10	.3	411	PVC	70
Borehole diameter: Topin.	Middle Casing (for triple cased wells only)	NA			•	
Topin. BottomIZin.	Outer Casing	NA				
Well was finished: Dabove grade	(largest diameter)	10 110				
flush mounted	Open Hole or Screen (No. Used)	3	18	பு)'	Prc stotal	20
If finished above grade, casing height (stick up) above land surfaceft.	Blank Casings	.			· GOND	
Was steel protective casing installed?	(No. Used)	MA		<u> </u>		ļ
☐Yes ☐ No	Tail Piece	INA				
Static water level after drillingft.	Gravel Pack	2	18	12"	#28and	1
Water level was measured using	Grout		7 .	121	Neat Cement	the lbs.
Well was dayeloped for hours at gpm				remire	Bentonite	101.00.
			lethod ethod	H5A	<u>-</u>	
Method of development <u>mound</u>						
Was permanent pumping equipment installed	If Ties Ruo				GIC LOG	
Pump capacity		1 .	each depth wi	here water v	vas encountered in	consolidated
Pump type: NA				· 	·	
Drilling Fluid V 7	of Rig $H3\omega$	<u> </u>	\\ \\ \\ \	10th 0	Sob a.H	
Health and Safety Plan submitted? Yes [▼ No					
Level of Protection used on site (circle one)	\sim		6"-18	Red	dish bon el	24
· · · · · · · · · · · · · · · · · · ·					e shale	
I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable						
State rules and regu						
Drilling Company GARY PARKENT/SI	_	•			<u> </u>	
Walls II (S.) Carry Dan						
Yell Driller (Print) TOCY TON	WII /	-				
Driller's Signature (Days	reux	_				
Registration No. MD (5#8)	Date 10 12 19					

Goldenrod - Health Dent

White - DEP

Canary - Driller

Pink - Owner

COPIES

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New Jersey Department of Environmental Protection

Bureau of Water Allocation

MONITORING WELL	RECORD	•
	Well Permit No	25 .

N. C. Carrier			Atlas Shee	t Coordinat	es25_:	22 :ADA
FICATION - Owner	CIMPERTAND PARMS T	NC.				
	1 STState				Zin Ondo	
CANTON	State	- NV		4	Zip Code	
N - If not the same as own	ner please give address.	Owners	Well No.	mw4		
N - It not the same as own	Municipality	TAN BOT	20 Lot	No1	Block N	0. <u>117</u>
				DATEINE	CTADTED	1,30,97
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		0	DATE WELL	LL STARTED	130 197
ram Requiring Well	gories)MONITORI	Ni	Case I.I	D.# 9	07 <i>-0</i> 4- <i>0</i> 3-1136	27
IRM/FIELD SUPERVISO	R (if applicable)				Tele. #	
I BUCTION	Note: Measure all depths	Depth to	Depth to	Diameter	Material	Wgt_/Rating
18 ft.	from land surface	Top (ft.)				(lbs/sch no.)
π.	Single/Inner Casing	O	3	411	Pre	40
· 17.	Middle Casing	,				
17 in.	(for triple cased wells only)	UM_				
	Outer Casing (largest diameter)	NA				
∐above grade ☐ h mounted	Open Hole or Screen	T '	,0	41)	0 110	
racasing height (stick	(No. Used)	3	18	14"	Prc stated	120
irface ft.	Blank Casings (No. Used)	ا ا		ł		
ve casing installed?		n ja		 		
after drilling 1	Tail Piece	Nh		ļ	D 0	
- 1 -	Gravel Pack	2	18	151,	#2 Sand	lbs.
neasured using both	Grout		2	12 W	Neat Cement Bentonite	76_ lbs.
ed for 5 hours		routing A	lethod	'		
pment MOUNO]	Drillina Me	ethod	SA		
oumping equipment installed						
· } · · ·	O: Les Divo	<u> </u>			GIC LOG	lidatad
<u> </u>			each depth w ations.	nere water i	was encountered in	CONSONGATEG
<u>- M\u</u>				· · · · · ·	1-14-	
_// АТуре	of Rig <u>H300</u>		01-6	, ast	phart	
ty Plan submitted? Yes	FI No		6"~18	rec	ddish brn	clay
on used on site (circle one)				lig	int Shale	
			·		and combile	
t I have constructed the above referenced well in						
with all well permit requested state rules and reg						
CADY DADRNIT CHORR DRIG THE						
Ty Chris Parks 200.			 -		 	· · · · · · · · · · · · · · · · · · ·
n Tary tor	ent	_				
Could be	David 121 12 1.	12				.
ire <u>Continua</u>	and a	,				
, MDISYO	_ Date					<u> </u>

DWR-138-M 11/96

51364

OWNER IDE Address____ City ___ WELL LOCAT County __ Address ___ TYPE OF WI Regulatory P CONSULTIN **WELL CO** Total depth dril Well finished to Borehole diam Top. Bottc Well was finish If finished abo up) above lan Was steel prot ☐Yes **X** Nc Static water le Water level wa Well was deve at _1/2 Method of de Was permane Pump capaci Pump type: _ **Drilling Fluid** Health and 5 Level of Prot

Drilling Cor

I certify accorda

Well Driller

Driller's Sig

Registratio

MONITORING WELL RECORD

		Well	Permit No	<u>Z5</u> 2	43819 5 . 32	AQA			
.)	~~~		Sheet Coord	dinates	·::	:	_		
OWNER IDENTIFICATION - Owner ROCHE BIOMRDICAL LABORATI Address 1 JOHNSON DRIVE									
Address	V V		N.	,			—·		
City			State		Zip Code		_		
WELL LOCATION - If not the same as	owner please give addre	ess. Owr	ner's Well No.	mu	1-1				
County SOMEPSET	_ Municipality	PAN PORO		Lot No.	<i>A</i> (2)1 B	 lock No. eo	•		
County SOMERSET 20 99	knoon Di			- · -	-1.k/1 - -		-		
TYPE OF WELL (as per Well Permit Categories MONTTORING Date well completed 9 /13 / 93 Regulatory Program Requiring Well UST Case I.D. # 93-04-23-1222									
CONSULTING FIRM/FIELD SUPERVISOR (if applicable) $\angle - B - C = 10.4 = 201 - 818 - 0700$									
	(· · · · · · · · · · · · · · · · · · ·		-		1 ele. # <u></u>	01-010-0	<u>,00</u>		
WELL CONSTRUCTION		Depth to	Depth to	Diameter]		
Total depth drilledft.			Bottom (ft.) d surface]	(inches)	Type a	and Material			
Well finished toft.	Inner Casing		4	. /			┨		
Borehole diameter:	Outer Casing	15	7	4	PVC	Jeh 40	4		
Top 8 in. Bottom 8 in.	(Not Protective Casing)]		
	Screen (Note slot size)	4	14	U	Oll	.020	1		
Well was finished: above grade	Tail Piece		_//			,020	1		
flush mounted	· 			·					
inished above grade, casing height (stick up) above land	Gravel Pack	3	14		Moi	<u> </u>	<u> </u>		
surfaceft.	Annular Seal/Grout	0	3	A	thon	d-Pillet	Ł		
Was steel protective casing installed?	Method of Grouting		1	`- 	1	7.200			
Yes No	· · · · · · · · · · · · · · · · · · ·		prop	7		<u> </u>	ļ		
Static water level after drilling 5	<u>ft.</u>	GEO	LOGIC LOG	Copies geophy	s of other geo	logic logs and/or buld be attached.)			
Water level was measured using	Jua			<u> </u>		one be unablicated.)	l		
Well was developed forhou	rs atgpm								
Method of development $\underline{P_{w}}$	np			/					
Nas permanent pumping equipment ins	stalled? L Yes A No			Ale					
Pump capacity			٠ ,	/					
Pump type:			0	110	bel				
Orilling Method Chin Rolan	To My A	8,	CC			7			
· · · · · · · · · · · · · · · · · · ·	of Rig Meds B-	00		4					
Hame of Driller Don Grahamer Tr									
lealth and Safety Plan submitted? Yes No evel of Protection used on site (circle one) None D C B A									
I.J. License No. $M-1212$									
lame of Drilling Company						}			
St	MMIT WELL DRILLE		_11	.,					
pertify that I have drilled the above- ate rules and regulations.	referenced well in acco	nuance with	all well perm	nit requirem	nents and all	applicable			
	0 11				_				
Driller's Signa	ture Man Sh	blom	- Ja	Da	ite <u> </u>	8-93/			
	- /						/		

COPIES: White & Green - DEPE Canary - Driller Pink - Owner Goldenrod - Health Dept.



489 Union Avenue Bridgewater, NJ 08807 Telephone: (908) Toll Free: (800) FAX: (908)

(908) 722-4266 (800) 242-6648 (908) 356-1009

2544D Morningside Dr.
West Columbia, SC 29169
Telephone: (803) 739-9853
Toll Free: (800) 242-6648
FAX: (803) 796-9698

WELL LOG

טוצבה

•										R. 430 14	
Well #_	MV -	1 Date (rilled	9/1	3/93	Coordinate	# 25.3	32.494	Permit #	25-43819 Co	NUNTY Somerset
USE	Ron1t	<u>orUwner_</u>	Roche	<u>Bione</u>	dical Labs	. 1 Johnson	Drive, F	Raritan,∣	NJ		
Site	Roche	Biomedical Labs	. 20 John	son Dr	ive. Rari	itan, NJ		i			
Drilling	Method _	Air Rotary	Sampling	Method	S/S	3	Hole Dia	meter	8 ¹¹	Total Depth	141
PLBAG! b	BCK Size	Morie #2	. Static Wa	ter Le	vel	<u>5'</u> Casir	ng Seal _	Portland	& Pellets	Open Hole	
Titrier Ca	sing	PVC	Diameter	411	_ Length _	<u>3.51</u> Out	er Casing	J	D	iameter	Length
screen 1)ype	PVC	Slot	.020	_ Diameter	Ler	gth	<u>10'</u> Ge	eologic Forma	tion	
Depth	1	 						 		<u> </u>	
•	1 Sample	Blows per 6"	 		ļ 1			}			
-	Number	on Sampler	Well Design		} •			ntificati			
01-21	1 1	Not Recorded		Ϊ 7	י2 - י0	COCUT		ils / Ren		· · · · · · · · · · · · · · · · · · ·	
1 -	!	HOU KECOTGEG	/		.51- 41	GROUT		Тор			
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i	 		1		 21- 31	OUTER CASIN	۷] ا				
51-71	2	Not Recorded	¦	ا د ٠٠ ا	31- 141	GRAVEL		<u> </u>			
1:			ί . Γ	• •	41- 141	SCREEN	1				
i i			i ,]		OPEN HOLE	1				
i i			', -		141	SET WELL	i				
1 1			L	l 'i	pump	DEVELOPMENT	i				
101-121	3	Not Recorded		l. i	5	GPM	i				
)				• i	1 hour	TIME	i				
	l:			, 1		STANDPIPE	121- 14	Red :	shale		
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40'				ļ	Drilled b	y: <u>Don Graham</u>	er, Jr.				

DW 138 M 11/98

Mhita . DED

CODIEC.

New Jersey Department of Environmental Protection Bureau of Water Allocation

MONITORING WELL RE	
	Well Permit No2555980_

			Atlas Shee	t Coordinate	es <u>25</u> :-32	495
OWNER IDENTIFICATION - OwnerR	PC INC			<u>.</u>		
Address8 EMERY AVE CityRANDOLPH	2ND FLOOR			7	in Code	
WELL LOCATION - If not the same as owr	ner please give address.	Owners	Well No!	MW5		
CountySOMERSET	MunicipaiπyRARIT	AN BORO	Lot	No ROW	Block N	o.
Address FIRST AVE & ROUTE 2	202			ATF WELL	STARTED 4	/ 18/ 00
TYPE OF WELL (as per Well Permit Cated Regulatory Program Requiring WellL CONSULTING FIRM/FIELD SUPERVISOR	JST		DAT Case I.[E WELL CO D.#93-	MPLETED4 -08-28-1122	/
	n (II applicable)					
WELL CONSTRUCTION Total depth drilledft. Well finished toft.	Note: Measure all depths from land surface	Depth to Top (ft.)	Bottom (ft.)		Material	Wgt./Rating (lbs/sch no.)
Well finished toft.	Single/Inner Casing	0,	5'	4"	PVC	Sch. 40
Borehole diameter: Top 8" in. Bottom 8" in.	Middle Casing (for triple cased wells only)					·
Bottom8"in. Well was finished: □ above grade	Outer Casing (largest diameter)					
flush mounted	Open Hole or Screen (No. Used)	5'	20'	4"	PVC	.020 Sch. 40
above land surfaceft.	Blank Casings (No. Used)					
Was steel protective casing installed? ☐ Yes No	Tail Piece					<u> </u>
Static water level after drilling 8' ft.	Gravel Pack	3'	20'		Morie #2	94 lbs.
Water level was measured using	Grout	ď	3'		Neat Cement Bentonite	
Well was developed for	G	routing M	lethod grav	vity Rotary		
Method of development Pump		Orilling Me	ethod	rotary		
Was permanent pumping equipment installed	? ∐Yes 🌠 No	Γ		GEOLO		, Geralerén
Pump capacitygpm		Note each depth where water was encountered in consolidated				
Pump type:		forma	tions.			enter garden. Enter
Drilling Fluid Type o	of Rig Gus Pech					
Health and Safety Plan submitted? 🛱 Yes [] No		See	Attached		
Level of Protection used on site (circle one)	None (D) C B A					
I certify that I have constructed the a accordance with all well permit requi State rules and regu						
Drilling Company SUMMIT WEL	-					
ell Driller (Print) Steve Yotcoski	-					
Driller's Signature Ittle 40	toski	-				
Registration NoJ1622	Date 4 / 21 / 00					

Goldenrod - Health Dept.

Pink - Owner

Canani - Driller



Chimney Rock Road, Bldg. 9W Bound Brook, NJ 08805

Telephone: (908) 722-4266

Toll Free: (800) 242-6648 (732) 356-1009 FAX:

http://www.summitdrilling.com email: info@summitdrilling.com

WELL LOG

WELL: MW5

DATE DRILLED: 04/18/2000 COORD #1: 25.32.495

SITE: ROW / Median, First Avenue @ Route 202, , Raritan, NJ

COORD #2:

PERMIT #1: 25-55980

PERMIT #2:

COUNTY: Somerset

DRILLING METHOD: Air Rotary

XSTREET:

USE: Monitoring :

CWNER: RPC Inc., 8 Emery Avenue- 2nd Floor, , Randolph, NJ 07869

OUTER CASING:

SCREEN TYPE 1: PVC SCREEN TYPE 2:

15'

SAMPLING METHOD: ECLE DIA: 9", 8" TOTAL DEPTH: 20'

INNER CASING: PVC DIAMETER: LENGTH:

DIAMETER: LENGTH:

> LENGTH 2:. SLOT SIZE:

DIAMETER:

LENGTH 1:

.020

CASING SEAL: Portland

201 SET WELL: GRAVEL PK SZ: Morie #2 Steve Yotcoski DRILLER:

GAL PER MIN: 1 STAT H20 LVL: 8'

DEVELOPMENT METHOD: Pump DEVELOPMENT TIME: 1/2 Hour

OPEN HOLE:

SURFACE COMPLETION: M DEPTH BELOW

BLOWS PER 6" ON SAMPLER

SURFACE FROM - TO

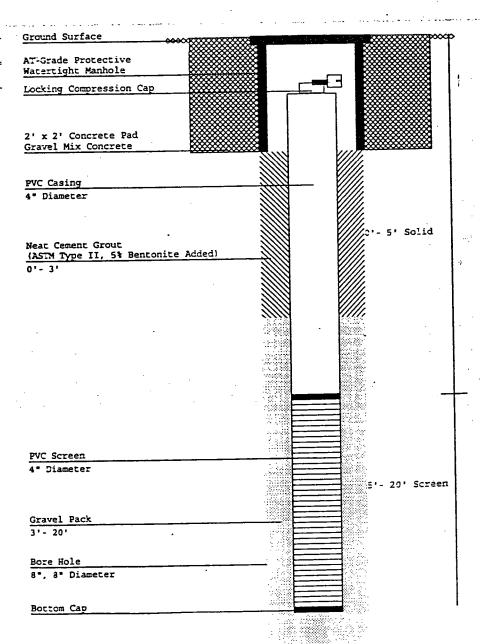
REMARKS / SOILS IDENTIFICATION

0'- 2' Grass & top soil. 2'- 5' Red-brown silty clay.

5'- 5'6" Yellow-brown silty clay some fine sand.

6 -- 7' Weathered rock.

20' Red shale.



DWR-138 M 11/98

New Jersey Department of Environmental Protection Bureau of Water Allocation

Duleau of Mater Allocation							
MONI	TORING	WELL	. RECOP	<u> 10</u>			

	<u> </u>		Well Perm	it No. <u>25</u>	55981		
DWG		-		t Coordinate	es <u>25</u> : 32	495	
OWNER IDENTIFICATION - Owner							
Address8 EMERY (CityRANDOLPH	NYE 2ND FLOOR State		N.T.	Z	ip Code		
						•	
WELL LOCATION - If not the same as	owner please give address.	Owners	Well No	MW6	Dia ala Ni	· ·	
County SOMERSET	Municipality <u>RARIT</u>	AN BORO	Lot	No. ROM	Block M	o. Row -	
Address FIRST AVE & ROUTE					STARTED4		
	A STATE OF THE STA	IC		E WELL CO	MPLETED4	/18/00	
TYPE OF WELL (as per Well Permit Ca Regulatory Program Requiring Well	ategories) <u>nunt i ukti</u> n	<u>u</u>	Case I.I	D.# 93-	-08-28-1122		
Regulatory Program Requiring Weii							
CONSULTING FIRM/FIELD SUPERVIS	SOR (if applicable) Phoenix	c Environr	nental Mana	agement .	Tele. #		
						Wgt./Rating	
Table death delied 18' #	Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	(lbs/sch no.)	
WELL CONSTRUCTION Total depth drilledft. Well finished toft.		0'	3'	4"	PVC	sch. 40	
	Single/Inner Casing						
Borehole diameter:	Middle Casing (for triple cased wells only)					· 	
Top 8" in. Bottom 8" in.	<u> </u>						
_	Outer Casing (largest diameter)						
Well was finished: ☐ above grade	Open Hole or Screen	3,	18'	4"	PVC	.020	
•	(No. Used)	3	10	7		sch. 40	
If finished above grade, casing height (stick above land surface ft.	Dialk Casings	1					
vvas steel protective casing installed?	(No. Used)						
Yes X No	Tail Piece					<u> </u>	
Static water level after drilling 8' ft.	Gravel Pack	3'	18'		Morie #2		
Water level was measured using Tape		 		 	Neat Cement	<u>94</u> lbs.	
Well was developed for hours	l Grout	0' 3' B			Bentonite	5_lbs.	
atgpm	(-	routing Method gravity					
Method of development Pump		Orilling Me	ethod Air	Rotary	<u> </u>		
Was permanent pumping equipment insta				0501.0	0101.00	12.350	
•	•	GEOLOGIC LOG Note each depth where water was encountered in consolidated.					
Pump capacity gp	· · · · · · · · · · · · · · · · · · ·		ations.	iele water v	-		
Pump type:							
Drilling FluidTy	pe of Rig Gus Pech		-				
		See Attached					
Health and Safety Plan submitted? 🔀 You	<u> </u>						
Level of Protection used on site (circle on	e) None (D) C B A						
Loodify that I have constructed th	ne above referenced well in						
I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable							
State rules and re	egulations.	<u> </u>					
Drilling Company SUMMIT	WELL DRILLING CO INC	_					
		_[
Yell Driller (Print) Steve Yotcoski	-						
1177.00	etcoski –						
Driller's Signature Yull 9	- Louis	-			<u> </u>		
Registration No. J1622	Date <u>4 / 21 / 00</u>						

139	200
	Ser Jan

MONITORING WELL RECORD

		V	2. Vell Permit No	5 42 	105	Г
		Α	tlas Sheet Coord	inates	<u>3249</u> 7 :::	L
OWNER IDENTIFICATION - Owner 2	ARITAN, BOROUSH (F				
Address	AIDD TO A NT		NIT.			•
City	, LUL I FILY		State		Zip Code 08869	-
WELL LOCATION - If not the same as County Somerset	owner please give addre Municipality RARTTM		Oursels Mall No	MALI -1		_
TYPE OF WELL (as per Well Permit Ca	ategories NITORING ST				d 10, 20,9 a	
CONSULTING FIRM/FIELD SUPERVIS		Meli	ck-Tally	·····	Tele. #	_
WELL CONSTRUCTION Total depth drilled 23 tt.		Depth to Top (ft.	· •	(11.0.103)	Type and Material	
Well finished to <u>33'</u> ft. Borehole diameter:	Inner Casing	1	13'	4"	SCHYD PVC	
Top 8'' in. Bottom 8 in.	Outer Casing (Not Protective Casing)	NIN	·			
	Screen (Note slot size)	13		4"	.020 SLOT	
Well was finished: above grade	Tail Piece	1.	1			
If finished above grade, casing	Gravel Pack	1	23'		# Morie Sand	
height (stick up) above land surfaceft.	Annular Seal/Grout	0'	13'		Cement/Bentante	
Was steel protective casing installed?	Method of Grouting			Tr	emie	
☐ Yes ☐ No	l .		GEOLOGIC LOG	(Copie	s of other geologic logs and/or	
Static water level after drilling 18'6'		, F	GEOLOGIC LOG	geophy	ysical logs should be attached.)	ł
Water level was measured using	- · · ·			0'x	· ^	
Well was developed forhou Method of development	rs atgpm		\mathcal{C}_{α}	7	1 1	,
Was permanent pumping equipment in	stalled? Yes N		G Rou-	T)	13'RISER	
Pump capacitygpm						
Pump type:	·	•				
Drilling Method Huger	M. J					
	of Rig Mayhew 5		(0 0 10	(-	,	
Name of Driller Victor Air Health and Safety Plan submitted?	Yes No		GRAVEL		1000	
Level of Protection used on site (circle of			PACI	ح / اء	10'SCREEN	
N.J. License No. 321		ľ	1			
Name of Drilling Company WAR	HEN GROWN IN:			<u>2347</u>	1	
I certify that I have drilled the above State rules and regulations.	-referenced well in acc	cordance	with all well per	mit requirer	ments and all applicable	
,	ature Victor Ain	las		D	ate 1110/9 2	



Chimney Rock Road, Bldg. 9W Bound Brook, NJ 08805

Telephone:

(908) 722-4266 (800) 242-6648

Toll Free: FAX:

(732) 356-1009

http://www.summitdrilling.com email: info@summitdrilling.com

WELL LOG

WELL: MW6

DATE DRILLED: 04/18/2000 COORD #1: 25.32.495

PERMIT #1: 25-55901

CCCNTY: Somerset

COORD #2: SITE: ROW / Median, First Avenue @ Route 202, , Raritan, NJ

DEVELOPMENT METHOD: Pump

DEVELOPMENT TIME: 1/2 Hour

PERMIT #2:

XSTREET:

USE: Monitoring

DRILLING METHOD: Air Rotary

OWNER: RPC Inc., 8 Emery Avenue- 2nd Floor, , Randolph, NJ 07869

INNER CASING: PVC

OUTER CASING: DIAMETER:

LENGTH:

SCREEN TYPE 2: DIAMETER:

SCREEN TYPE 1: PVC

15'

HOLE DIA: 8", 8" TOTAL DEPTH: 18'

SAMPLING METHOD:

DIAMETER: LENGTH:

DRILLER:

SET WELL: 18'

GAL PER MIN: 1

STAT H20 LVL: 8'

LENGTH 1: LENGTH 2: SLOT SIZE:

.020 OPEN HOLE:

CASING SEAL: Portland

GRAVEL PK SZ: Morie #2 SURFACE COMPLETION: M

Steve Yotcoski

and the second of the second of the second of

SURFACE ___ FROM - TQ _...

DEPTH BELOW

BLOWS PER 6" ON SAMPLER

REMARKS / SOILS IDENTIFICATION

0'- 2' Grass & top soil.

2'- 4' Red-brown silty clay.

4'- 5' Yellow-brown silty clay some fine

8' Weathered rock.

18' Red shale.

Ground Surface AT-Grade Protective Watertight Manhole Locking Compression Cap 2' x 2' Concrete Pad Gravel Mix Concrete PVC Casing 4 Diameter - 3º Solid Neat Cement Grout (ASTM Type II, 5% Bentonite Added: PVC Screen 4º Diameter - 18' Screen Gravel Pack 3'- 18' Bore Hole 8", 8" Diameter

Bottom Cap

FORM 87

DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT DIVISION OF WATER POLICY & SUPPLY

Permit No. 25	-15829
Application No	
County	

WELL I	RECORD
--------	--------

29.32.497

	Ed Chandler 25, 15829
1.	Ed Chandler OWNER T/A Raritan Industrial Park ADDRESS Bound Brook, N. J.
	Owner's Well No SURFACE ELEVATION Feet
2.	LOCATION Johnson Drive, Raritan, N. J., Somerset County
3.	DATE COMPLETED 8/12/71 DRILLER Somerville Well Drilling Co.
¥.	DIAMETER: topinches Bottom 8 inches TOTAL DEPTH x51:3101 Feet
5.	CASING: Type Steel Diameter 8 Inches Length 51t Feet
6.	SCREEN: Type Size ofInches LengthFeet
	Range n Depth Top Feet Geologic Formation
	Tail piece: DiameterInches LengthFeet
7.	WELL FLOWS NATURALLY Gallons per Minute at Feet above surface
	Water rises toFeet above surface
8.	RECORD OF TEST: Date 8/12/71 Yield 200 Gallons per minute
$\left(\left[\cdot \right] \right]$	Static water level before pumping 351 Feet below surface
	Pumping levelfeet below surface afterl_hours pumping
	DrawdownFeet Specific CapacityGals. per min. per ft. of drawdown
	How Pumped Air How measured Wire Weir
	Observed effect on nearby wells <u>none</u>
9.	
	Type Submergible Nfrs. Name Reda
	Capacity 60 G.P.H. How Driven Elec. H.P. 20 R.P.H. 3500
	Depth of Pump in well 189 Feet Depth of Footplece in well Feet
	Depth of Air Line in wellFeet Type of Neter on Pump SizeInches
	(AverageGallons Daily
10.	. USED FOR <u>Industrial</u> AMOUNT AMOUNT AMOUNT AMOUNT AMOUNT
11	. QUALITY OF WATER Good Sample: Yes No
	Taste Good Odor none Color clasr Temp. of
12	. LOG Red Shale Are samples available?
	SOURCE OF DATA I. & P. Elec. & Mach. Co. and Somerville Well Drilling Co.
74	DATA OBTAINED BY Date
	(NOTE: Use other side of this sheet for additional information such as log of materials penetrated,

25.32.497 Application No.25-15829

Mail to	DEPARTMEN	T OF ENVIRONMENTAL P	ROTECTION	
STATE GEOLOGIST	DIVISION	OF WATER POLICY AND S	Mara Citores , slante ,	:
TRENTON, N.J. 06628		TRENTON, N. J.	. , DIVISION OF WATER POLICY &	SUPPLY
;	APPLICATIO	N FOR PERMIT TO	DRILL WELL	•
Applicat	ion must be accoπ	ipanied by a legal fee	of three dollars (\$3 00).	à
73.01 33		(Print or Type)	\$ \$	
Ed Chandler OwnerT/A Raritan I	nduatrial Pa	rk Driller	Somerville Well Drilling (972 Highway 202	!
Address Hillcrest	Rd	Addre:	Somerville, New Jersey	08876
Bound Broo	k. N. J.			n de service
In compliance with R.	S. 58:4A-14, appli		permit to drill a well in	e energy of
Raritan (municipality)	Somerset	Use of	Well Industrial (semi-public, demertic, industrial, public sup	ply, test, etc.
Diameter of Well	8		sed Depth of Well2501	Fe
Proposed Capacity of Pun	op60_GPM	G.P.M. Method	d of Drilling Rotary	L. Hely
Show Location on Back of	of this Sheet.	<u> </u>	March March	
SHOW POSTINGLIOU OU DICK O				
Date	nit to drill this w	than 70 gpm, no sub sion.	s, either expressed or implied, to desequent increase to 70 gpm or many	ore shall :
Date	nit to drill this w policed for is less proval of the Divis s abandoned, the he Division, in acc ell will be valid fo ed for domestic o or the Construction	rell conveys no rights than 70 gpm, no sub tion. Owner will assume fu cordance with provision one year from date or semi-public supply of Water Supply Sy	s, either expressed or implied, to desequent increase to 70 gpm or more increase to 70 gpm or more increase to 70 gpm or more increased in the second of R. S. 58:4A-4.1.	ling it in
The issuance of a perm If the pump capacity as made without prior app In the event this well is manner satsifactory to the A permit to drill this we If this well is to be use	nit to drill this w policed for is less proval of the Divis s abandoned, the he Division, in acc ell will be valid fo ed for domestic o or the Construction	rell conveys no rights than 70 gpm, no sub tion. Owner will assume fu cordance with provision one year from date or semi-public supply of Water Supply Sy	s, either expressed or implied, to desequent increase to 70 gpm or most of R. S. 58:4A-4.1. of approval. it must be constructed in accordant	ore shall ling it in
Date	nit to drill this w policed for is less proval of the Divis s abandoned, the he Division, in acc ell will be valid fo ed for domestic o or the Construction	rell conveys no rights than 70 gpm, no sub tion. Owner will assume fu cordance with provision one year from date or semi-public supply of Water Supply Sy	s, either expressed or implied, to desequent increase to 70 gpm or most of R. S. 58:4A-4.1. of approval. it must be constructed in accordant	ling it in the common of the c
Date	nit to drill this w policed for is less proval of the Divis s abandoned, the he Division, in acc ell will be valid fo ed for domestic o or the Construction	rell conveys no rights than 70 gpm, no sub tion. Owner will assume fu cordance with provision one year from date or semi-public supply of Water Supply Sy	s, either expressed or implied, to desequent increase to 70 gpm or mail responsibility for plugging or sealons of R. S. 58:4A-4.1. of approval. it must be constructed in accordant stems for Realty Improvements (Research of the constructed in accordant stems for Realty Improvements (Research of the constructed in accordant stems for Realty Improvements (Research of the constructed in accordant stems for Realty Improvements (Research of the constructed in accordant stems for Realty Improvements (Research of the constructed in accordant stems for Realty Improvements (Research of the constructed in accordant stems for Realty Improvements (Research of the constructed in accordant stems for Realty Improvements (Research of the constructed in accordant stems for Realty Improvements (Research of the constructed in accordant stems for Realty Improvements (Research of the constructed in accordant stems for Realty Improvements (Research of the constructed in accordant stems for Realty Improvements (Research of the constructed in accordant stems for Realty Improvements (Research of the constructed in accordant stems for Realty Improvements (Research of the constructed in accordant stems for Realty Improvements (Research of the constructed in accordant stems for Realty Improvements (Research of the constructed in accordant stems for Realty Improvements (Research of the construction stems for Realty Improvements (Research of the construction stems for Realty Improvements (Research of the construction stems for Realty Improvements (Research of the construction stems for Realty Improvements (Research of the construction stems for Realty Improvements (Research of the construction stems for Realty Improvements (Research of the construction stems for Realty Improvements (Research of the construction stems for Realty Improvements (Research of the construction stems for Realty Improvements (Research of the construction stems for Realty Improvements (Research of the construction stems for Realty Improvements (Research of the constru	ling it in
Date	nit to drill this w policed for is less proval of the Divis s abandoned, the he Division, in acc ell will be valid fo ed for domestic o or the Construction	rell conveys no rights than 70 gpm, no sub tion. Owner will assume fu cordance with provision one year from date or semi-public supply of Water Supply Sy	s, either expressed or implied, to desequent increase to 70 gpm or more all responsibility for plugging or seal ons of R. S. 58:4A-4.1. of approval. it must be constructed in accordant stems for Realty Improvements (Research of the constructed in accordant stems for Realty Improvements (Research of the constructed in accordant stems for Realty Improvements (Research of the constructed in accordant stems for Realty Improvements (Research of the constructed in accordant stems for Realty Improvements (Research of the constructed in accordant stems for Realty Improvements (Research of the constructed in accordant stems for Realty Improvements (Research of the constructed in accordant stems for Realty Improvements (Research of the constructed in accordant stems for Realty Improvements (Research of the constructed in accordant stems for Realty Improvements (Research of the constructed in accordant stems for Realty Improvements (Research of the constructed in accordant stems for Realty Improvements (Research of the constructed in accordant stems for Realty Improvements (Research of the constructed in accordant stems for Realty Improvements (Research of the constructed in accordant stems for Realty Improvements (Research of the constructed in accordant stems for Realty Improvements (Research of the constructed in accordant stems for Realty Improvements (Research of the constructed in accordant stems for Realty Improvements (Research of the constructed in accordant stems for Realty Improvements (Research of the constructed in accordant stems for Realty Improvements (Research of the constructed in accordant stems for Realty Improvements (Research of the constructed in accordant stems for Realty Improvements (Research of the constructed in accordant stems for Realty Improvements (Research of the constructed in accordant stems for Realty Improvements (Research of the constructed in accordant stems for Realty Improvements (Research of the constructed in accordant stems for Realty Improvements (Research of the constructed in	ling it in
I. The issuance of a perm. If the pump capacity as made without prior app. In the event this well is manner satsifactory to the second of the	nit to drill this we polied for is less proval of the Divis a abandoned, the he Division, in accell will be valid for domestic or the Construction local Board of Hea	rell conveys no rights than 70 gpm, no sub tion. Owner will assume fu cordance with provision one year from date or semi-public supply of Water Supply Sy	is, either expressed or implied, to desequent increase to 70 gpm or mail responsibility for plugging or sealons of R. S. 58:4A-4.1. of approval. it must be constructed in accordant stems for Realty Improvements (Residual Stems on the Stems of S	ling it in the common of the c
Date	nit to drill this we polied for is less proval of the Divis a abandoned, the he Division, in accell will be valid for domestic or the Construction local Board of Hea	rell conveys no rights than 70 gpm, no sub tion. Owner will assume fu cordance with provision one year from date or semi-public supply of Water Supply Sy	It must be constructed in accordant stems for Realty Improvements (Research of Name of Realty Improvements (Research of Realty Impro	ling it in the common of the c

LOCATION OF WEL

Draw sketch showing distance and relations of well site to nearest public roads, streets, etc.

	State Atlas Map No	25	-		
	باه، مه			North	
	e care e	N			
•	And Andreas	*	JOHNSON CON		MAE II
	The state of the s	₩est <	REE	TANID.J.	THE CENT
,					30 AH
					71
	10 1 24			South	i
		***			er en en en en en en en en en en en en en

DWR 138 M 6:89 New Jersey Department of Environmental Protection Division of Water Resources

MONITORING WELL RECORD

		 Well	Permit No.		esos_2	
		Atla	s Sheet Coord	inates	30	
OWNER IDENTIFICATION - Owner				• • • • • • • • • • • • • • • • • • • •	·	
and the second s	DAILIMAL ACCOUNTAIN	KS	-	·	<u> </u>	
City	919 THIRD AVK (1	STH PLOOP	State		Zin Code	
Address	HISH YORK		NA MA		. Zip Code	
WELL LOCATION - If not the same oc	cwnor please give addre	ess. Ow	ner's Well No.		<u> </u>	<u>.</u>
County Somerset	Municipality			_ Lot No	B	llock No
Address 5 Johnson Drive, R.	aritan NJ RARIT	'AN BORO			4.01	62
	=		Data			
TYPE OF WELL (as per Well Permit Ca	MONTEOTT	18	Date	Well complete	3 <u>3 / </u>	1 / 90
Regulatory Program Requiring Well			-			
CONSULTING FIRM FIELD SUPERVI	SOR (if applicable) Kt	CON SYST	ems, Inc.		<u> </u>	201) 782-5900
WELL CONSTRUCTION		Depth to	Depth to	<u> </u>		
Total depth drilled 82 ft.		Top (ft.)	Bottom (it.)	Diameter	Tune	and Material
			nd surface)	(inches)	1700	ella meterial
Well finished to 82 ft.	Inner Casing			7		
Borehole diameter:		0.2	20	6"	Schedul	e 40 Steel
Top <u>10</u> in.	Outer Casing (Not Protective Casing)	None				
Bottom6_in.	Screen		 	 		
Well was finished: above grade	(Note slot size)	Open.				
X flush mounted	Tail Piece	None				
	Gravel Paci					
If finished above grade, casing height (stick up) above land	Giaverraci	None	<u> </u>	_		
surfaceft.	Annular Seal/Grout	0	20	4"	Type I	cement
Was steel protective casing installed?	Method of Grouting		e pipe		•	
Yes No		1 стешт	e hihe			
Static water level after drilling 38.65	5 %	GE	OLOGIC LOC	(Copie	s of other ge	ologic logs and/or rould be attached.)
Water level was measured using Elec				Geoph	sical ags si	····
Well was developed forhou		·				L. thology
Method of development Submersit		1			* *	Aphallo.2
		— I ,	0' _			Treprock .23
Was permanent pumping equipment in:	stalled? 🔛 Yes 🔛 No	° ¯	_		1	clay .5-6
Pump capacitygpm		4	10' _	2	38.65	Relles
Pump type:		ŀ		=	STIPTIC	proffer
Drilling Method <u>Vet Rotery</u>		4	()	I I	NATER LEVEL	w. stelecto
Orilling Fluid <u>Water</u> Type	of Rig Simco 2800	\	(=	<u> </u>	Mudrack 10-36
Name of Driffer Stephen F. Lags	<u> </u>	1	0'1'			Erg prom
Health and Safety Plan submitted?	Yes X No				. *	Sandolmo 36-50
Level of Protection used on site (circle o	ne) None 🛈 C`B A	1.				Inudrack 369-
N.J. License No. <u>1380</u>	_					Shaloy
Name of Drilling Company	MEEN SYSTEMS, INC					
I certify that I have drilled the above State rules and regulations.			h all well per	mit require	ments and a	all applicable
Driller's Sign	nure Stepley	faner	7	0	ate _ 6-	25-90
<u></u>		(Ü			

MONITORING WELL NO. RECON SYSTEMS, INC. THREE BRIDGES, NJ 25.32.498 PERMIT NO. 25-36125-2 SHEET 1 OF JOB NO. CLIENT PROJECT LOCATION 1639 RARITAN, NJ LOCATION OF WELL ELEVATION AND DATUM SE CORNER OF PROPERTY APPROX. 100' ABOVE MSL DRILLING CONTRACTOR DRILLER INSPECTOR RECON SYSTEMS DRILLING RIG TYPE BIT TYPE |DATE STARTED|DATE COMPLETED SIMCO 2800 MUD ROTARY 6'' O.D. 4-24-90 5-1-90 SAMPLER TYPE HAMMER | DROP TOTAL DEPTH WATER LEVEL |WEIGHT| 38.0' SAMPLE | LITH | DEPTH | W | TYPE FT. |A| ITI LITHOLOGY WELL INC. | BLOWS |E| CONSTRUCTION | |0-0.2' ASPHALT | FLUSH MOUNT MANHOLE
| 8 INCH ID.
| 8 INCH ID.
| 6 INCH LOCKING CAP
| 5 INCH ID.
| 5 CHEDULE 40
| 0-20.0'bg
| CEMENT GROUT:
| 0-20.0'bg
| 10 INCH DIAMETER
| BOREHOLE TO 20.0'bc ILIFILUSH MOUNT MANHOLE 10.2-0.5' TRAPROCK 0.5-6.0' CLAY few pendidary, roots
red to brown coloring
mature 16.0-10.0' W. SHALE red to brown color |10.0-36.0' MUDROCK shaley mudstone red to brown color |BOREHOLE TO 20.0'bg 20 OPEN BOREHOLE FROM: 20.0-82.0'bg _32 |36.0-36.5' SANDSTONE zone of difficult | drilling sandstone stringer w/grains cemented together | |36.5-82.0' MUDROCK | | shaley mudstone red to brown colori

MONITORING WELL NO. RECON SYSTEMS, INC. THREE BRIDGES, NJ 25 3.2 44 8 PERMIT NO. 25-36125-2 SHEET 2 OF 2 JOB NO. CLIENT PROJECT LOCATION RARITAN 1639 RARITAN, NJ LOCATION OF WELL ELEVATION AND DATUM SE CORNER OF PROPERTY APPROX. 100' ABOVE MSL DRILLER INSPECTOR RECON SYSTEMS DRILLING RIG TYPE BIT TYPE | DATE STARTED | DATE COMPLETED SIMCO 2800 MUD ROTARY | 6'' O.D. | 4-24-90
TYPE | HAMMER | DROP | TOTAL DEPTH ! 5-1-90 SAMPLER TYPE WATER LEVEL WEIGHT 38.01 SAMPLE | LITH | DEPTH | W | TYPE FT. A TI LITHOLOGY WELL NO. | BLOWS E CONSTRUCTION R _52 56 Suspected depth of first water |Stopped drilling at cuttings filled to 84 76,91

FORM 87

DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT DIVISION OF WATER POLICY & SUPPLY

25.32, 722.
Permit No. 25-6930
Application No.
County

WELL RECORD

92-25-255

	\cdot
1.	OWNER William Stormann ADDRESS R.D. 3 Somerville, N.J.
	Owner's Well No SURFACE ELEVATION Feet
2.	LOCATION 74° 38'59" 40° 33'52"
3.	DATE COMPLETED Aug 7, 1957 DRILLER Anthony Dinunzi
ц.	DIAMETER: top 6 Inches Botton Inches TOTAL DEPTH 140 Feet
5.	CASING: Type Regular Diameter 6 Inches Length 23 Feet
δ.	Size of SCREEN: TypeOpeningDiameterInches LengthFeet
	Range Top Feet Geologic Formation Bottom Feet Feet
	Tail piece. DiameterInches LengthFeet
7.	WELL FLOWS NATURALLY Gallons per Minute at Feet above surface
	Water rises toFeet_above surface
8.	RECORD OF TEST: Date Aug 7, 1957 Yield 10 Gallons per minute
	Static water level before pumping 30 Feet below surface
	Pumping level 57 feet below surface after hours pumping
	Drawdown 27 Feet Specific Capacity 4 Gals. per min. per ft. of drawdown
	How Pumped Bailer How measured Bailer
	Observed effect on nearby wells None
9.	Well insidiled of Chile.
	Type Mfrs. Name
	Capacity G.P.M. How DrivenH.PR.P.M
	Depth of Pump in wellFeetDepth of Footpiece in wellFeet
	Depth of Air Line in wellFeetDepth of Heter on Pump
10.	•
	Maximum 500 Gallons Daily
11.	QUALITY OF WATER Good Sample: Yes No.
	Taste None Odor None Color None Temp. 49 of
12.	LOG All Shale No . (Give details on back of sheet or on separate sheet. If electric log was made, please furnish copy)
13.	SOURCE OF DATA SIF
14.	. DATA OBTAINED BY Self Date Aug 7, 1957
	(NOTE: Use other side of this sheet for additional information such as log of materials penetrat analysis of the water, sketch map, sketch of special casing arrangements etc.)

FORM 87

DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT DIVISION OF WATER POLICY & SUPPLY

<i>25,32,723</i> 🖸
Permit No. 25-10, 144
Application No.
County

WELL RECORD

25-32-723

1.	OWNER Dominick Foti	ADDRESS Old Tork Rd., Bradley Gardens, W.J.
	Owner's Well No. 25-10,144	SURFACE ELEVATION 110 Feet
2.	LOCATION Front	(Above mean sea level)
3.	DATE COMPLETEDAug 7, 1961 D	RILLER G & S WELL INTLLING CO.
٩.	DIAMETER: top Inches Bottom	6 Inches TOTAL DEPTH 370 Feet
5.	CASING: Type <u>Steel</u>	Diameter 6 Inches Length 45 Feet
	SCREEN: Type Size of Opening	DiameterInches LengthFeet
	Range in Depth Top	Geologic Formation
	Tail piece: Diameterinche	s LengthFeet
		r Hinute atFeet above surface
	Water rises toFee	t above surfaçe
8.	RECORD OF TEST: Date 7, 1961	Yield 10 Gallons per minute
		20 Feet below surface
	i i	surface after 31/2 - hours pumping
	·	Capacity 10' Gals. per min. per ft. of drawdown
		How measured Cable
	·	
9.	PERMANENT PUMPING EQUIPMENT:	
J.	·	£ W
		frs. Name
		riven H.P R.P.M
•		Depth of Footpiece in wellFeet
	Depth of Air Line in wellFeet	Type of Heter on PumpSizeinches
10.	USED FOR Domestic	AMOUNT Average Gallons Daily Haximum Gallons Daily
	OCC TON	Haximum Gallons Daily
11.	QUALITY OF WATER	Sample: Yes No
	Taste Odor	ColorTempOF
12.		Are samples available?
	(Give details on back of sheet or on a furnish copy)	eperate sheet. If electric log was made, please
13.	SOURCE OF DATA _ G & S WELL DRILLIN	G 00.
14.	DATA OBTAINED BY G&S WELL DRILL	ING CO. Date Ang. 10, 1961
	UAIA UKIAIRED KI G & SERRIT DRITT	167 /WS Data 160 0 10 1047

APPENDIX W

Mann-Whitney U Test Results

Mann-Whitney U Test Calculation Example Ortho-Clinical Diagnostics, Inc. Raritan, New Jersey

The following is an example of the Mann-Whitney statistical evaluation performed on monitoring well MW-34 from 1999 through 2000.

The U statistic was evaluated as specified in Chapter 26E Appendix C of the New Jersey Technical Requirements for Site Remediation as follows:

- 1. The test was applied to eight consecutive quarters of analytical data for each individual contaminant in each individual monitoring well.
- 2. For each quarter of data, the concentration of the specific contaminant was annotated with either a "b" for the most recent four quarters or an "a" for the four quarters from the previous 12 month period.
- 3. The eight contaminant concentrations were vertically arranged, with notations, in order of increasing value.
- 4. For each individual "a" concentration, the number of "b" concentrations that occur below that "a" concentration were counted.
- 5. The four values were added to determine the "U" value
- 6. Since 2 or more concentrations were identical in this example, two vertical columns were necessary. The first column ranked the "a" concentration first. The second column ranked the "b" concentration first. An interim "U" was calculated for each column. The average of the interim values is the actual "U".

The hypotheses were tested as follows:

- 1. If "U" is 3 or less, the null hypothesis is rejected, and it is concluded, with at least 90 percent confidence, that the concentration of the individual contaminant has decreased with time at the specific monitoring well.
- 2.. If "U" is greater than 3, the null hypothesis is accepted, and it cannot be concluded, with 90 percent or greater confidence, that the concentration for the individual contaminant has decreased with time at the specific monitoring well.

Note: in cases where values were not detected above the proper detection limits, a value of "zero" was utilized in the calculations.

Mann-Whitney U Calculation for trichloroethene in monitoring well MW-34

Year	Quarter	MW-34		
i cai	Quarter	Trichloroethene		
	1	430		
1999	3	320		
1333		490		
4		560		

2000	1	225
	2	320
	3	260
	4	340

1999-2000	Decrease
1333-2000	Decrease

Annotation	Ranking	Interim "U" Calculation	Ranking	Interim "U" Calculation
430a	225b		225b	
320a	260b		260b	
490a	320a	=2	320b	
560a	320b		320a	=1
	340b		340b	
225b	430a	=0	430a	=0
320b	490a	=0	490a	=0
260b	560a	=0	560a	=0
340b	ļ	2+0+0+0=2		1+0+0+0=1

average of interim "U" calculation = (2+1) / 2 = 1.5 U = 1.5

Mann-Whitney U Test Results for MW-14 Ortho-Clinical Diagnostics, Inc. Raritan, New Jersey

Year Quarter –	Ouartor		MW-	-14	
- Cai	Quarter	Benzene	1,1-Dichloroethene	Trichloroethene	Vinyl Chloride
1996*	1	3.8	7.2	59	30
	2	4.9	6.2	58	20
1330	3	5.8	4.7	62	19
	4	4.5	7.1	51	36
	1 1	4.2	5.8	52	21
	2	4.2	5.9	47	22
1997	3	4.1	6.4	48	24
	4	2.9	4.4	42	18
1006	-1997 I	D			
1990	-199/	Decrease	No decrease	Decrease	No decrease
	1	1.2	0	13	3.2
1998	2	5.4	5.0	48	21
1990	3	5.2	3.6	40	19
_	4	4.2	3.8	42	22
1997	-1998	No decrease	Decrease	Decrease	No decrease
	1	2.9	2.4	29	9.6
1999	2	4.1	5.0	51	17
	3	6.4	4.8	50	25
	4	2.2	4.7	22	21
1998	1999	No decrease	No decrease	No decrease	No decrease
	1	0.8	4.7	39	2.5
	2	1.6	2.4	23	15
2000	3	2.5	2.1	38	9.8
	4	3.3	2.4	41	6
1065					
1999	2000	Decrease	Decrease	No decrease	Decrease

^{*:} First quarter data is from November 1995.

Decrease: It can be concluded, with 90% or greater confidence, that the concentration of a volatile organic compound during the year is less than the concentration during the previous year.

No decrease: It can not be concluded, with 90% or greater confidence, that the concentration of a volatile organic compound during the year is less than the concentration during the previous year.

Mann-Whitney U Test Results for MW-15 Ortho-Clinical Diagnostics, Inc. Raritan, New Jersey

Year Quarter	Quartor	MW-15		
	Benzene (ug/L)	Vinyl Chloride (ug/L)		
	1	1	1.8	
1998	2	0	0	
1330	3	0	0	
	4	0	0	

	1	0	0
1999	2	0	0
.,,,,	3	1.9	1.8
	4	0	0

1998-1999	No decrease	No decrease

Decrease: It can be concluded, with 90% or greater confidence, that the concentration of a volatile organic compound during the year is less than the concentration during the previous year.

No decrease: It can not be concluded, with 90% or greater confidence, that the concentration of a volatile organic compound during the year is less than the concentration during the previous year.

Mann-Whitney U Test Results for MW-16 Ortho-Clinical Diagnostics, Inc. Raritan, New Jersey

Year 1996	Quarter 1 2 3 4	Benzene 33 28 100	Tetrachloroethene 3.3 6.8	Trichloroethene 4.1	Vinyl Chloride
1996	2 3	28		4.1	
1996	3		6.0	•••	0
		100	0.0	6.1	0.8
	4		7.1	8.9	4.2
		6.3	4.0	4.2	2.4
	1 [44	6.9	6.5	2.3
400=	2	31	10	7.3	2
1997	3	210	7.9	10	8.9
	4	21	6.7	7.8	6
1996-	1997	No decrease	No decrease	No de la constant	
1990-		No decrease	No decrease	No decrease	No decrease
	1	40	8.0	7.6	4
1998	2	27	14.0	10	4.8
1330	3	19	15.0	8.3	7.9
	4	7.5	2.5	2.6	4.4
1997-	1998	Decrease	No decrease	No decrease I	No decrease
		Decrease	140 decrease	No decrease	No decrease
	1	66	8.5	8.7	10
1999	2	25	8.5	7.6	9.4
	3	7.9	4.3	5.9	7.9
	4	18	3.0	5.0	0
1998-	1999	No decrease	No decrease	No decrease	No decrease
			·		
	1	0	2.2	3.7	1.7
2000	2	1.6	1.7	3.6	4.3
	3	4.6	0	2.6	3.7
	4	5.6	2.0	3.2	2.6
1999-2	2000	decrease	decrease	decrease	No decrease

^{--:} Not calculated.

Decrease: It can be concluded, with 90% or greater confidence, that the concentration of a volatile organic compound during the year is less than the concentration during the previous year.

No decrease: It can not be concluded, with 90% or greater confidence, that the concentration of a volatile organic compound during the year is less than the concentration during the previous year.

Mann-Whitney U Test Results for MW-20 Ortho-Clinical Diagnostics, Inc. Raritan, New Jersey

Year	Quarter _		MW-20	
	Quarter _	Benzene	Chloroform	Trichloroethene
	1	0	170	2.5
1996	2	0	10	2
1550	3	9	10	15
	4	6	10	10
	<u> </u>	4	54	9
	2	0	340	5
1997	3			
		2.9	14	9.5
	4	5.9	17	13
199	6-1997	No decrease	No decrease	No decrease
		- To dedicase	110 decrease	140 decrease
	1	4.6	15	10
1998	2	0	70	9.9
1990	3	5	2	13
	4	3	5.9	9
100	7-1998			T
199.	7-1998	No decrease	No decrease	No decrease
-	1	2	7	8
1999	2	0	27	1
1999	3	1.8	9.2	9.1
	4	0	190	7.2
100	2 1000			
1998	8-1999	Decrease	No decrease	Decrease
	1	0	115	4.3
2000	2	1.4	47	6.9
2000	3	1.4	130	3.7
	4	0	47	2.7
1990	9-2000	No decrease	No dostace	No Jane
1995	7-2000	No decrease	No decrease	No decrease

Decrease: It can be concluded, with 90% or greater confidence, that the concentration of a volatile organic compound during the year is less than the concentration during the previous year.

No decrease: It can not be concluded, with 90% or greater confidence, that the concentration of a volatile organic compound during the year is less than the concentration during the previous year.

Mann-Whitney U Test Results for MW-21 Ortho-Clinical Diagnostics, Inc. Raritan, New Jersey

Year	Quarter	MW-21
	Quarter	Trichloroethene
	1	19
1996	2	19
1330	3	29
	4	23
	1 1	18
100-	2	20
1997	3	20
	4	25
100	0(1007	
195	96-1997	No decrease
	1	28
1998	2	16
1330	3	15
	4	31
199	97-1998	No decrease
<u> </u>	1	20
1999	2	25
1333	3	30
	4	20
199	98-1999	No decrease

Decrease: It can be concluded, with 90% or greater confidence, that the concentration of a volatile organic compound during the year is less than the concentration during the previous year.

No decrease: It can not be concluded, with 90% or greater confidence, that the concentration of a volatile organic compound during the year is less than the concentration during the previous year.

Mann-Whitney U Test Results for MW-23 Ortho-Clinical Diagnostics, Inc. Raritan, New Jersey

Year	Quarter	MW-23
real	Quarter	Tetrachloroethene (ug/L)
	1	0.7
1998	2	1.3
1990	3	0.6
	4	0.5
	1	0.7
1999	2	0.3
	3	0.6
	4	0

Decrease: It can be concluded, with 90% or greater confidence, that the concentration of a volatile organic compound during the year is less than the concentration during the previous year.

No decrease: It can not be concluded, with 90% or greater confidence, that the concentration of a volatile organic compound during the year is less than the concentration during the previous year.

Mann-Whitney U Test Results for MW-26 Ortho-Clinical Diagnostics, Inc. Raritan, New Jersey

Year	Quarter	MW	-26
Tear	Quarter	Tetrachloroethene	Trichloroethene
	1	6	1
1996	2	20	2
1330	3	16	2
_	4	20	2
	1 1	18	2
1007	2	23	2
1997	3	23	3
	4	18	2
1996	i-1997	No decrease	No decrease
	<u>i</u> i	33	3.2
1998	2	19	2
1550	3	17	1.8
	4	15	2
1997	′-1998	No decrease	No decrease
	1	9.6	1
1999	2	17	1.8
	3	16	1.8
	4	20	2.2

Decrease: It can be concluded, with 90% or greater confidence, that the concentration of a volatile organic compound during the year is less than the concentration during the previous year.

No decrease: It can not be concluded, with 90% or greater confidence, that the concentration of a volatile organic compound during the year is less than the concentration during the previous year.

Mann-Whitney U Test Results for MW-27 Ortho-Clinical Diagnostics, Inc. Raritan, New Jersey

Year	Quarter	MW-27
i cai		Trichloroethene
	1	92
1996	2	120
1550	3	120
	4	120
	1	100
1007	2	110
1997	3	130
	4	140
	1996-1997	No decrease
	1550-1557	NO decrease
	1	100
1998	2	110
	3	110
	4	190
	1997-1998	No decrease
	1	100
1000	2	120
1999	3	87
	4	100
1998-1999		Decrease

Decrease: It can be concluded, with 90% or greater confidence, that the concentration of a volatile organic compound during the year is less than the concentration during the previous year.

No decrease: It can not be concluded, with 90% or greater confidence, that the concentration of a volatile organic compound during the year is less than the concentration during the previous year.

Mann-Whitney U Test Results for MW-28 Ortho-Clinical Diagnostics, Inc. Raritan, New Jersey

		MW-28	
Year	Quarter	Trichloroethene	Vinyl Chloride
	1 1	2	0
1996	2	26	11
1996	3	27	9
	4	24	10
	1	22	7
1997	2	18	3.6
1337	3	11	1.6
	4	20	4.8
1996-1	997	No decrease	No decrease
	1	18	5.7
1998	2	17	2.9
	3	13	2.6
	4	18	4.3
1997-1	998	No decrease	No decrease
			
	1	10	2.3
1999	2	10	1.3
	3	9.9	2.7
·	4	8.8	1.8
1000.1	000		
1998-1	999	Decrease	Decrease
	1 1	6.6	1
	2	4.4	0
2000	-3	5	0
	4	3.2	0
			
1999-2	000	Decrease	Decrease

Decrease: It can be concluded, with 90% or greater confidence, that the concentration of a volatile organic compound during the year is less than the concentration during the previous year.

No decrease: It can not be concluded, with 90% or greater confidence, that the concentration of a volatile organic compound during the year is less than the concentration during the previous year.

Mann-Whitney U Test Results for MW-28D Ortho-Clinical Diagnostics, Inc. Raritan, New Jersey

Year Quarter	Quarter	MW-28D		
		Tetrachloroethene	Trichloroethene	
1996	1	0	29	
	2	1	1.1	
550	3	3	1.2	
	4	6	1.3	
	1 1	3		
	2	5	1	
1997	3	2.1	1.1	
	4	6	1.1	
_	<u> </u>			
1996	5-1997	No decrease	Decrease	
	1 1	8	1.5	
	2	4.2	1.2	
1998	3	5.2		
	4		1.2	
· ·	1 4	4.8	1.7	
1997	-1998	No decrease	. No decrease	
	1	3.8	0.9	
1999	2	5.4	1.1	
	3	4.6	1	
	4	3.1	1	
1998	-1999	No decrease	Decrease	
		. To decrease	Decrease	
	1	4.3	0.81	
2000	2	5.2	0.9	
	3	5.4	0	
	4	4.9	0	
1999	-2000	No decrease	Decrease	
		. 10 000.0000	Deciease	

Decrease: It can be concluded, with 90% or greater confidence, that the concentration of a volatile organic compound during the year is less than the concentration during the previous year.

No decrease: It can not be concluded, with 90% or greater confidence, that the concentration of a volatile organic compound during the year is less than the concentration during the previous year.

Mann-Whitney U Test Results for MW-34 Ortho-Clinical Diagnostics, Inc. Raritan, New Jersey

Year	Quarter	MW-34	
		Trichloroethene	
1999	1	430	
	2	320	
	3	490	
	4	560	

	1	225
2000	2	320
	3	260
	4	340

1999-2000	Decrease
L	Decrease

Decrease: It can be concluded, with 90% or greater confidence, that the concentration of a volatile organic compound during the year is less than the concentration during the previous year.

No decrease: It can not be concluded, with 90% or greater confidence, that the concentration of a volatile organic compound during the year is less than the concentration during the previous year.

Mann-Whitney U Test Results for MW-35 Ortho-Clinical Diagnostics, Inc. Raritan, New Jersey

Year	Quarter	MW-35	
i Cai	Quarter	Chloroform	Trichloroethene
	1	1800	170
1999	2	1100	200
1333	3	1200	130
	4	3300	360
2000	1	1190	154
	2	770	52
	3	500	62
	4	170	67
			· · · · · · · · · · · · · · · · · · ·
199	9-2000	Decrease	Decrease

Decrease: It can be concluded, with 90% or greater confidence, that the concentration of a volatile organic compound during the year is less than the concentration during the previous year.

No decrease: It can not be concluded, with 90% or greater confidence, that the concentration of a volatile organic compound during the year is less than the concentration during the previous year.

Mann-Whitney U Test Results for MW-36 Ortho-Clinical Diagnostics, Inc. Raritan, New Jersey

Year	Quarter	MW-36	
i Cai	Quarter	Trichloroethene	
	1	46000	
1999	2	34000	
1333	3	49000	
	4	30000	
	1	11800	
2000	2	56000	
2000	3	15000	

r		
1999-2	2000	No Decrease

Decrease: It can be concluded, with 90% or greater confidence, that the concentration of a volatile organic compound during the year is less than the concentration during the previous year

39000

No decrease: It can not be concluded, with 90% or greater confidence, that the concentration of a volatile organic compound during the year is less than the concentration during the previous year

Note: All concentrations are in micrograms per liter (ug/l). Unable to perform analysis on tetrachloroethene due to detection limits greater than criteria.